REPOWERING KIT PARTS LIST

for

MODEL

PD- 4501

JUNE 1962

MARMON-HERRINGTON COMPANY, INC.

1511 WEST WASHINGTON STREET

INDIANAPOLIS 7, INDIANA

INSTRUCTIONS FOR USE OF PARTS LIST

Shown in the white paper section of this list are only those items furnished by Marmon-Herrington Company, Inc. in the repowering kit. For all other parts refer to Parts Book Number X-155041.

The arrangement of Sections and sub-groups is in the same order as Parts Book X-155041. This will assure compatability with existing information and enable personnel of Greyhound Corporation to adapt the list with the least inconvenience and confusion.

Component parts of assemblies are indicated by indentation. These parts are listed alphabetically under the assemblies.

An alphabetical index in blue paper section is located at the back of our parts section of the book. Immediately preceding the alphabetical index in pink paper section is a numerical listing of all part numbers shown in this book.

The engine and cradle assembly is procurable under our part number GBK-550-B. Shown on the following page is a list of parts included in the assembly. These blue paper explanatory pages do not effect the parts list and its numerical index as all items shown here are repeated in their proper sequence and section of the book.

The parts breakdown of the Detroit Diesel engine is reproduced on goldenrod paper and inserted at the back of this parts book. Detroit Diesel parts are not listed in our numerical index. We take responsibility only for the reproduction of Detroit Diesel information and not the technical accuracy or adequacy. Reproduction has been made courtesy of Detroit Diesel Engine Division of General Motors Corporation.

Cradle numbers, as given in this list for phased change points, will be found stamped adjacent to rear R.H. support tube hangers.

MARMON-HERRINGTON COMPANY, INC. 1511 West Washington Street Indianapolis 7, Indiana

```
QUA. PART NO. PART NAME
                                                        QUA. PART NO. PART NAME
QUA. PART NO.
                    PART NAME
                                                         1 GBK-10512 Hose Asey., Fuel Line
1 GBK-10613 Tone Assy., Fuel Line
                                                                                                              4 : GM-120384 Lockwasber, 1/2
                                                                                                                   GM-120382 Lockwasher, 3/8
GM-120221 Ser Mch. R. H. #10-24 x 1/2
 1.
      GBK-8950
                     Cluten
      GBK-8953
                     Clutch Throwout Bearing Assy.
                                                           GBK-10614 hose Assy. Air Governor
      GM-120382
                     Lockwasher, 5/8
Bolt, Hen Hd., 3/8=24 x 1-1/8
                                                           GRK-10615 Hose Assy. Air Gov. to split valve 4
                                                                                                                   GM-131183 Lockwasher. #10
                                                                                                                   GM-132760 _Scr Mch. R. H. #8-32 x 1/2
      GM-181638
                                                           GBK-10616 Hose Assy. , Norm. Stop. Cyl.
      GBK-9100
                     Transmission
                                                                                                                                 Lockwasher, #8
                                                                                                                   GM-131095
                                                           GBK-16617 Hose Assy. Fast Idle Cyl.
                     Greate Cup
Hose Assy. Clutch Bearing Tube
Pipe Plug. 3/4 F/WEngine
                                                                                                                   GM-144114 Street Ell, 1" Brass
      GBK-9110
                                                         1 GBK-10618 Hose Assy. . Throttle Safety Cyl.
      GBK-9111
                                                        1 GBK-10619 Hose Assy. Bulkhdto skint. Valv. 1 GBK-10620 Hose Assy. Oil Gauge 1
                                                                                                                                 Elbow, 1" Brass
                                                                                                                   GM-144131
                                                                                                                   GM-219913 Nipple, 1"x2-1/2, Braks
      N. P. N.
                                                                                                                                  Bolt. Hex hd. . 5/16-18x5/8, Cad.
      GM-120383
                     Lockwasher.7/16
                                                         1 GBK-10521 Hose Assy. , Generator Drain
                                                                                                                   GM-180075
                     Bolt Hex Hd. . 7/16-14 x 1-3/8
      GM-180148
                                                                                                                   GM-120214
                                                                                                                                  Lockwasher, 5/16
                                                                         Fipe Tec. Brass. 3/8
                                                         1 64T-27
                     Reverse Shift Brkt. Assy. .
                                                                                                                                  Bolt, Hex Hd., 3/8-16 x 1
      GBK-9175
                                                                         Close Nipple. Brass. 3/8
                                                                                                                   GM-180122
                                                         1 651-7
                     Drive Unit. Speedometer
                                                                                                                                  Lockwasher
                                                         2 64T-39
                                                                         Male Branch Tee, 1/8
                                                                                                                   GM-120382
      GBK-9255
                     Drive Adapter. Speedometer
Flexible Shaft Assy.
                                                                                                                   GM-120377
                                                         1 64T-86
                                                                         Street Tee. Brass. 1/4
      GBK-9256
                                                                                                                   GBK-10451
                                                                                                                                  Muffler
                                                                         Close Nipple, Brzss. 1/4
                                                         1 65T-8
                     Sleeve Extension
                                                         1 GM-12(388 Plain Washer, 7/16, Cad.
1 GM-18(145 Bolt, Hex Ho., 7/16-14x1 Cad.
                                                                                                                                  Hanger Assy.
                                                                                                                   GBK-10453
      GBK-9261
GBK-9265
                     Core Tip Extr. Speedo. Drive
                                                                                                                   GBK-11377
                                                                                                                                  Hose Nipple (Heatr. Connec.)
                     Speedo. Adapter Supp. Brkt.
                                                                                                                                  1/8 MPT-1/4 Tube, Conn.
                                                                                                                   57T-2
                                                           CM-178576 Int. & Ext. Tooth L"wash. 7/16
                     Bolt. Hex Hd .. 3/8-16 x 3/4, Cad.
      GM-180120
                                                                                                                                  1/8 MPT-1/4 Tube, Elbow
                                                                                                                   59T-Z
                                                         2 GM-120383 Lockwasher, 7/16
                     Lockwasher, 3/8
      GM-120382
                                                                                                                                  Tube Assy.
                                                         I GM-271506 Nut. Hex.
                                                                                                                   GBK-11355
      GM-181567
                     Bolt. Hex Hd. . 1/4-28 x 7/8
                                                                                                                                  Tube Assy
                                                                                                                   GBK-11357
                                                           GM-181666 Bolt, 7/16 - 20 x 1
      GM-120380
                     Lockwasher, 1/4
                                                                                                                                  Brkt. , Fuel Line
                                                                                                                   GBK-11341
                                                           GBK-12008 Ground Strap
60T-172 Washer Idler Shafts
                     Nut. Hex. 1/4 - 28
      GM-120367
                                                                                                                                  Clamp, Fuel Lines
                                                                                                                   5T-84
                                                         2 60T-172
      GBK-9653
                     Clamp
                                                                                                                                  Bolt, Hex Hd. , 1/4-20 x 1
                                                                                                                   214003
                                                         2 GM-120369 Nut. Hex. 3/8 - 24
                     Hose Pump Outlet. 2-1/4x3-1/2
                                                                                                                                  Lockwasher, 1/4
                                                                                                                    120380
                                                         6 GM-131099 Lockwasher, 3/8
                     Hose Pump Inlet, 2-3/4x4-1/2
Bracket, Water Tube
                                                                                                                                  Nut. Hex. 1/4 -20
      GBK-9658
                                                         2 GM-120394 Washer, Plain, 13/32
                                                                                                                   120375
                                                                                                                                  Bolt, Hex Hd., 1/4 - 20 x 7/8
Lockwasher, 1/4
                    Bracket, Water Tube 2 76T-198 Stud, Stab., Anchor Plate
Bracket Assy., Lower 1 GBK-9855 Gear Box
Rub, Fan with 3/8-16x1-4/4 mtg. AR GBK-9956 Shim
      GBK-9662
                                                                                                                    180021
      GBK-9663
                                                                                                                    120380
      GBK-9670
                                                                                                                                  Bolt, Hex Hd., 3/8-16 x 1
                                                                                                                   180122
      GBK-9801
                                                                                                                                  Lockwasher, 3/8
                                                        AR GBK-9957
                                                                         Shim
                                                                                                                    120332
                                                                                                                                  Nut. hex. 3/8 - 16
Ring, Retainer
                                                                                                                    120377
                                                        AR GBK-9958 Shim
                     Lockwashers
                                                                                                                    GBK-10007
                                                        ARGBK-9959 Shim
                                                                                                                                  Nut, Lock, 7/8 - 14
      GBK-9855
                     Bolt, Hex Hd. 1/2-20 x 241/2, Cad. 1 GM-120384 Lockwasher, 1/2, Cad.
                                                                                                                   272922
      GM-181709
                                                                                                                                  Lubrication Fitting
AR
                                                                                                                    119512
                                                        1 GBK-11396 Hose, Stratoflex
AR GM-181705 Bolt, 1/2 - 20 x 2
      GM-120371
                    Nut. Hex. 1/2-20. Cad.
Lockwasher, 1/2. Cad.
                                                                                                                                  3/4 P - 1/2 P Reducer
                                                                                                                    128140
                                                                                                                                  Bolt, 3/4 - 16 x 6. Rear Mount
Bolt, 3/4 - 16 x 4-1/2 Frt. Mount
3/4 - 16 E. S. Nut
      GM-120384
                                                                                                                   2T-414
                                                        ARGM-181707 Bolt, 1/2-20 x 2-1/4
                     Nut. Slotted, 1-20
                                                                                                                    223836
                                                         3 NPN
                                                                         Bolt. 3/8 - 24 x 1-3/8
                     Cotter Pin, 1/8x1-1/2
      GM-103387
                                                                                                                   24T-29
                                                                         Lockwasher, 3/8
                                                         3 NPN
                     Woodruff Key, Alloy Steel
                                                                                                                                   Skinner Valv. (Furn. by Greyhound)
      GM-124553
                                                         1 GM-513082 Hub - Accessory Drive Gear
1 GM-2326310 Coupling P. S. P. Drive
                                                                                                                   NPN
                     Universal Assyl. Fan Drive
      GBK-9900
                                                                                                                                  Bracket, Amphenol Pluge
                                                                                                                    GBK-11321
                                                                                                                                  Pipe Plug. Sq. Hd. 3/8
      14T-39
                                                                                                                   GM-444584
                                                           GM-5127670 Hub, Hyd. Pump Drive
                     Set Screw, Sq. Hd.
      78T-20
                                                                                                                   GBK-10277
                                                                                                                                  Guard Plate Lower Rad. Hose
                                                         1 GM-127760 Elbow St. 1/8x90
      GRK-9950
                     Brkt. Pillow Block, Fan Drive
                                                                                                                   GBK-10280
                                                                                                                                  Muffler Cover L. H.
Muffler Cover R. H.
                                                           GM-180177 Bolt. 1/2-13x1-1/2
      GBK-9951
                     Brkt. . Fuel Filter
                                                           GM-139325 Hex Socket SetSerew 1/4-20x 2/8
                                                                                                               AR GBK-10281
                                                                                                                                  Tube Eng. Outint Conn.
      GBK-3300
                     Fan Support, W/A
                                                                                                                    GBK-9665
                                                           GBK-11406 Roll Pin. 3/16 x 2
      GBK-9965
                     Brace, Fan Support
                                                                                                                                  Bolt, Hex Hd., 3/8-16 x1-3/4
                                                                                                                    GM-180128
                                                         1 637-59 Connector, Bulkhead
1 A50-2641 Connector, Bulkhead
1 GBK-10650 Accelerator Brkt, Assy.
      GBK-10116
                     Lockwasher, 1/2 Med. Cad
                                                                                                               CLIPS REQUIRED FOR ENG. WIRE HARNESS
      GM-120384
                     Nut. Hex. 1/2 - 20 Cad.
      GM-120371
                                                            GBK-10600 Safety Throttle Rod Assy
                     Bolt. 3/8-24 x 1. Cad.
      GM-181637
                                                           GM-213910 Bolt, Hex. Hd. 5/16-24x1
GM-120214 Lockwasher, 5/16
                                                                                                                                   Clamp 2 Bell Housing
                                                                                                                                   Clamp @ Top Cover Transmission
      GM-120369
                     Nut. Hex., 3/8-24 Cad.
                                                                                                                    5T-4
5T-39
                     Lockwasher, 3/8 Med. Cad.
                                                                                                                                   Clamp @ Anchor Plate Eng. to Stabil.
      GM-20382
                                                           OM-120368 Nut. 5/16 - 24
OM-114783 Clevis Pin, 1/4
OM-112726 Cotter Pin, 1/16×1/2
                     Bolt, Hex Hd. 1/2-20x1-1/4 Cad. 1
      GM-181698
                                                                                                                                   Clamp @ Alternator
                                                                                                                    5T-84
                                                                                                                                   Clamp @ R. S. Rockr. Arm Cover & Intak. Manif.
      GM-120371
                     Nut, Hex. 1/2-20. Cad.
                                                                                                                    5T-84
      GM-120384 Lockwasher, 1/2, Cad.
                                                                                                                                  Clampe @ L.S. Rocker
                                                            GBK-11210 Adj. Gen. Supt. Assy.
                                                                                                                    5T-91
                     Bolt, Hex Hd. 1/2-20x1-1/4 Cad. 1
                                                                                                                                   Elastic Stop Nut. 3/4-16
                                                         3 CM-180128 Bolt, Hex. Hd. 3/8-16d-1/4 Cad.
1 CBK-1-1250 Engine Assay.
                                                                                                                    24T-33
      GM-120371
                     Nut, Hex, 1/2-20 Cad.
                                                                                                                    60T-173
                                                                                                                                   Washer
      GBK-10000-A Pillow Block Assy.
                                                                                                                                  Lead. Electrical
                                                                                                                    GBK-10591
                                                           GBK-11259 Breather Tube
      GBK-10005
                     Shaft, Fan Drive Idler
                                                                                                                    GBK-9106
                                                                                                                                  Oil Cap & Chain Assy.
Inverted Connector
                                                         1 GBK-11260 Air Horn Assy., Eng. Blower
1 GBK-11275 Tube, Air Horn to Comp. Intake
      GBK-10006
                     Pulley, Idler
                                                                                                                    57T-2
41T-219
                     Spacer, Fan Idler Pulley
      GBK-10014
                                                                                                                                   Rivet, 3/16 x 5/16 Grip
                                                         1 GBK-11276 Governor, Air Compressor

        Ball Bearing
        1 GBK-11276 Governor. Air Compressor

        Lock Nut, 3/4-16
        1 GBK-11277 Gasket Air Comp. Governor

        Stud, 1/2-13 NCx1/2-20NFx2-1/41
        GBK-11278 Adapter, Strainer

      GBK-10017
                                                                                                                                   Lockwasher, 3/8
                                                                                                                    GM-120382
      GM-272920
                                                                                                                                   Lockwire
                                                                                                                    85T-5
      76T-195
                                                                                                                    GBK-10658
                                                           GBK-11295 Generator Drive Assy.
      GM-120371
                     Nut. Hex. 1/2420 NF Cad.
                                                           GBK-11296 Fitting, Air Comp. Discharge
GBK-11297 Gasket, Flex. Line to Disch. Fit.
                                                                                                                    GBK-10592
      GM-120384
                     Lockwasher, 1/2 Med.
                                                                                                                                   Rivet (For GBK-10280 & GBK-10281)
                                                                                                               AR
                                                                                                                    41T-246
                                                                                                                                   Clamp Rose (Worm Drive Type)
Shim Pillow Block Freen Comp.
                     Bolt, Idler Adi.
      2T-419
                                                                                                                    GBK-9659
                                                         6 GM-120382 Lockwasher, Air Horn Mtg.
      GBK-10050
                     Supt. Brkt. Assy., Pillow Block
                                                                                                               AR GBK-10102
                                                            GM-120394 Fl. Washr. Air Hoso Mtg.
      GM-120369".
                     Nut, Hex, 3/8-24 Cad.
                                                                                                                                   Elbow, 2-3/4 Radiator Inlet
                                                           2T-422 Bolt. 3/8-16 x 8-1/2
GM-189308 Bolt. 3/8-16 x 6
                                                                                                                    GBK-9664
                     Lockwasher, 3/8 Med. Cad.
                                                         2 2T-424
       GM-120384
                                                                                                                   GBK-9967
                                                                                                                                   Shim
                                                                                                               AR
      76T-196
                     Stud
                                                            GM-180083 Boit, Hex Hd. 5/16-18x1-1/2, Cad. 2T-423 Boit, Hex Hd. 5/16-18x2-7/8, Cad.
                                                                                                               AR GBK-9968
      GBK-10100-A Pillow Block Assy.
                                                                                                                    GBK-9969
                                                                                                                                   Shim
                                                                                                               AR
                     Shaft, Freen Comp. Drive Idler
Pulley, Idler
                                                         2 2T-423
       GBK-10105
                                                         6 GM-120214 Lockwasher, 5/16, Cad.
                                                                                                               AR
                                                                                                                    GBK-9970
                                                                                                                                   Shim
       GBK-10106
                                                                                                               AR GBK-9971
                                                            GM-120376 Nut. Hex, 5/16 - 18 Cad.
       GBK-10114
                     Spacer, Comp. Idler Pulley
                                                                                                                                   Nipple. 3/4 Close
                                                         2 GM-120214 Lockwasher, 5/16, Cad.
                                                                                                                    GM-192470
       GBK-10115
                     Dowel, Comp. Pulley Support
Dowel, Pillow Block
                                                                                                                                   Tec, 3/4 x 3/4 x 1
                                                                         Elbow, Comp. Fitting 1/2Px3/4T
                                                                                                                    CM-218245
                                                         1 64T-83
       GBK-10116
                                                            64T-84 Elbow, Comp. Fitting 3/4Px3/4T
GM-111292 Bolt, 3/8 - 16 x 4-1/4
                                                                                                                    76T-198
                     Engine Cradle Rework Assy.
      GBK-10250
                                                                                                                                   Plain Washer
                                                                                                                     GM-130394
       GBK-10264
                     Rod & Ring Assy.
Tube, Engine Stabilizer
                                                                                                                                   Lockwasher, 3/8
                                                                         Clamp, Breather Tube
                                                                                                                    GM-131099
                                                            E3T-24
      GBK-10265
                                                                                                                    GM-120369
                                                                                                                                   Nut. Hex. 3/8 - 24
                                                            GM-180077 Bolt, Hex Hd., 5/16-18 x 3/4 Cad.
       GBK-10266-A Anchor Plate, Eng. to Stabilizer
                                                                                                                    GM-120388
                                                                                                                                   Plain Washer
Bolt, 7/16-14 x l
                                                            GBK-11300 Pump Power Steering
      GM-189307 Boit, hex.hd., 3/8-16x5-1/2
GM-180126 Cap Screw, 3/8-16 x1-1/2
                                                            GBK-11301 Thermostat, Engine Overheat
                                                                                                                    GM-180145
                                                                                                                                   Lockwasher, Int. -Ext. 7/16
                                                                                                                    GM-178576
                                                            GBK-11308 Air Cyl. Eng. Stop&Fast Idl. Safety 2
      GM-124944
                     Jam Nut, 5/8-18
                                                                                                                                   Lockwasher, 7/16
                                                            GBK-11310 Support Assy., Engine Frt.
GBK-11317 Solenoid Valv. Brkt. W/Assy.
                                                                                                                     GM-120383
                     Eng. Supt. Rear Casting
Bolt, HexHd., 5/8-11x2-1/4
                                                                                                                                   Nut. Hex. 7/16 - 20
       GBK-10300
                                                                                                                     GM-271506
                     Lockwasher, 5/8
Bolt, Hex Hd., 5/8-18x|=1/2, Cad. 2 (GM-181637

Nut. 5/8-18, Cad. 2 (GM-120382

Cokwasher, 3/8

Lockwasher, 3/8

Lockwasher, 3/8

Lockwasher, 3/8
       GM-271724
                                                                                                                     GM-181666
                                                                                                                                   Bolt. 7/16 - 20 x 1
      GM-121574
                                                                                                                     GBK-12008
                                                                                                                                   Ground Strap
       GM-271744
                                                                                                                                   Pipe Plug
                                                                                                                     GM-143953
       GM-121358
                                                                                                                     GBK-10267
                                                                                                                                   Gasket
                                                         2 GM-120369 Nut, Hex. 3/8 - 44
                     Lockwasher, 5/8 Med. Cad.
       GM-121574
                                                                                                                                   Drive Assy. P.S.
Pulley, 9-1/16 Dia.
Pulley, 4 Dia.
                                                                                                                     GBK-11400
                                                          8 GM-132900 Mach. Scr. R. H. #10-32x3/8, Cad.
       GBK-10402
                     Engine Underpan, R. H.
                     Engine Underpan. L. H. 8 CM-131183 Lockwasher. #10
Self-Tap. Scr. 1/4-20x1/2Type D.1 GM-120322 Bushing. Reducer. 1/2x3/8
                                                                                                                     GBK-11401
       GBK-10403
                                                                                                                     GBK-11402
       GM-456289
                                                            GM-189334 Boit, Hex.Hd., 3/8-24x4-1/2, Cad. 2
GM-180122 Bolt, Hex.Hd., 3/8-16 x1, Cad. 1
                                                                                                                     GBK-11403
                                                                                                                                    Belts
       GM-120396
                     Washer
                                                                                                                                    Mounting Plate
                                                                                                                     GBK-11404
                     Nut
                                                                                                                                   Key. 1/4 \times 1/4 \times 1-1/2
       GM-271501
                                                                                                                     CBK-11405
                                                            GM-180124 Bolt, Hex.Hd. , 3/8-16 x 1-1/4 Cad. 1
                     Spring
       R-31458
                                                                                                                                   Roll Pin. 3/16 x 2
Support Pump P. S.
                                                                                                                     GBK-11406
                                                             GM-120382 Lockwasher
       GM-120384
                     Lockwashoz
                                                            GM-181698 Bolt, Hex. Hd., 1/2-20x1-1/4, Cad. 1
                                                                                                                     GBK-11407
       GM-120378
                     Nut, 1/2-13
                                                                                                                                    Lock Nut
                                                            GM-120371 Nut. 1/2-20 Cad.
                                                                                                                     24T-32
                     Bolt, 1/2-13 x 1
       GM-180173
                                                                                                                     GM-120396
                                                                                                                                    Plain Washer, 17/32 I.D.
                                                            GM-120384 Lockwasher, 1/2 Med. Cad.
GM-180120 Bolt, Hex. Hd., 3/8-16x3/4 Cad.
                     Engine Harness
                                                                                                                                   Nut. Hex. 3/4 - 16
       GBK-10556
                                                                                                                     GM-426099
                     Solenoid, Reverse (Trans.)
       GBK-10559
                                                                                                                                    Lockwasher, 3/4
                                                                                                                     GM-131046
                                                            GM-180143 Bolt, Hex.Hd. ,7/16-14x3-1/4.Cad. 4
                      Thermo Gauge Engine Unit
       GBK-10566
                                                                                                                     GM-131017
                                                                                                                                    Plain Washer
                                                            CM-120382 Lockwasher, 3/8 Med. Cad.
GM-120383 Lockwasher, 7/16 Med. Cad.
GM-180194 Bolt, Hex. Hd., 1/2-13 x 14
                     Hose Assy., Perry Water Filter 1
Hose Assy., Perry Water Filter 1
       GBK-10604
                                                                                                                                    Stud. 3/4 - 10 x 3/4 - 16
                                                                                                                     76T-197
       GBK-10605
                                                                                                                                    Roll Pin. 1/4 x 1-1/4
                                                                                                                     GM-454565
       GBK-10606. Home Assy. , Lube Oil
                                                                                                                                    Bolt. 3/8 - 24 x 1-1/4
                                                             GM-191249 Bolt. Hex. Hd. . 3/8-16x3-3/4
                                                                                                                     GM-181639
       GBK-10610
                     Hose Assy. . Fuel Line
                                                                                                                                   Lockwasher, 3/8

Bolt 1/2 - 20 x 2-1/4
                                                                                                                     GM-120382
                                                             GM-180122 Bolt, Hex.Hd., 3/8-16x1
GM-12037' Not Hex. 1/2 - 20
```

Hose Assy. . Fuel Line

GBK-1061

CONTENTS

		Page No.
REAR	AXLE	1-3
	Differential Carrier Assembly	1-3
BRAK	ES	4-8
	Air Governor	4-5
	Air Compressor	6-7
	Air Brake Lines	7-8
CLUT	CH	9-14
	Clutch Assembly	9
	Clutch Control	9-11
	Clutch Control Cylinder	11-12
	Clutch Accumulator, Control Valve and Lever	12-14
COOLI	NG	15-22
SHUTI	TER ASSEMBLY	15-16
	Radiator	15-16
VERNA	ATHERM CONTROL ASSEMBLY	16
	Radiator Mounting	i7
RADIA	TOR LATCH LEVER ASSEMBLY	17
	Water Fittings, Hose & Surge Tanks	17-18
	Fan and Drive	18
	Fan Gear Box	18-19
	Fan Drive, Universal Assembly	19-20
	Pillow Block w/Bracket and Idler Pulley (Engine Cooling)	21-22 22
	Fan Support Assembly	
ELECT	TRICAL	23-36
	Stop and Tail Lamps	23
	Target and License Lamp	23
	Starting Motor	23-25
	Generator	25-28
	Voltage and Current Regulator	28-31 31
	Instruments	31-32
	Speedometer Solenoid	32-34
	o o contraction	

CONTENTS

	Page No.
ELECTRICAL (continued)	
	34
Switches	34-35
Fuses, Junction Panels, Buzzer and Relay	35 - 36
Wiring	36
Wire Connectors	37
Crankcase Ventilator, Oil Filter and Breather	37 - 38
Engine Mounting	38
Accessory Drive	38
Oil Lines	38
Accelerator and Rods	39
Throttle Control	
Engine Stabilizer	39
FUEL	40-41
	40
Fuel Lines	40
Fuel Filter	40-41
Blower Air InletAir Shut-Off	41
Fuel Injector	41
Exhaust	7.
MUFFLER ASSEMBLY	41
Air Cleaner	41
STEERING	43-44
Power Steering Hydraulic Fluid Pump	43-44
POWER STEERING FILTER	43
POWER STEERING PUMP	43-44
TRANSMISSION	45-50
	45-50
Transmission Assembly Transmission Gear Shift Lever and Control	50
PROPELLER SHAFT	51
Propeller Shaft Assembly	51
BODY	52-56
DOORS	52-56

CONTENTS

	Page No.
DOORS (continued)	
Miscellaneous	52-56
AIR CONDITIONING	57-59
Heater Pipes and Connections Air Conditioning Compressor Drive and Shaft Compressor Drive Mounting and Idler Pulley	57 58 58-59
NUMERICAL LISTING OF PART NUMBERS	60-71
INDEX	72-73

REAR AXLE

	REAR AXLE	-
Part Number	Part Name	Per Vehicle
Differential Ca	rrier Assembly	
122104	BOLT, hex $(3/8)$ " - $16 \times 5/8$ " seal with No. 2 Permatex)	1
GBK-9400	CARRIER ASSEMBLY, differential (3.7:1 ratio)	1
940101	. BLOCK, drive gear thrust	I
940102	. CAPSCREW, differential bearing adjusting ring.lock	4
940103	. CAPSCREW, propeller brake spider	8
940098	. CARRIER and CAP ASSEMBLY, differential	1
940092	CAPSCREW, differential bearing	4
940093	DOWEL, differential bearing cap	4
940094	WASHER, differential bearing capscrew	4
940104	. CUP, differential bearing	2
940001	. DIFFERENTIAL, DRIVE GEAR, BEARING CAGE PINION as	
	FLANGE ASSEMBLY	1
940002	CAGE, PINION and FLANGE ASSEMBLY, pinion bearing	1
940119	BEARING, drive pinion rear	1
940003	CAGE ASSEMBLY, pinion forward bearing	1
940004	CAGE and CUP ASSEMBLY, pinion forward bearing	1
940005	CUP, pinion bearing	2
940006	CONE, pinion forward bearing (inner and outer)	2
940007	SHIM, pinion bearing (.496)	As Req.
)40008	SHIM, pinion bearing (.497)	As Req.
940009	SHIM, pinion bearing (. 498)	As Req.
940010	SHIM, pinion bearing (. 499)	As Req. As Req.
940011 940012	SHIM, pinion bearing (.500)	-
940012	SHIM, pinion bearing (.501)	As Req. As Req.
940013	SHIM, pinion bearing (.502) SHIM, pinion bearing (.503)	As Req.
940014	SHIM, pinion bearing (.504)	As Req.
940016	SHIM, pinion bearing (. 505)	As Req.
940017	SHIM, pinion bearing (.506)	As Req.
940018	SHIM, pinion bearing (.507)	As Req.
940019	SHIM, pinion bearing (.508)	As Req.
940020	SHIM, pinion bearing (.509)	As Req.
940021	SHIM, pinion bearing (.510)	As Req.
940022	SHIM, pinion bearing (.511)	As Req.
940023	SHIM, pinion bearing (.512)	As Req.
940024	SHIM, pinion bearing (.513)	As Req.
940025	SHIM, pinion bearing (.514)	As Req.
940026	SHIM, pinion bearing (.515)	As Req.
940027	SHIM, pinion bearing (.516)	As Req.
940028	SHIM, pinion bearing (.517)	As Req.
940029	SHIM, pinion bearing (.518)	As Req.
40030	SHIM, pinion bearing (.519)	As Req.
940031	SHIM, pinion bearing (.520)	As Req.
940032	SHIM, pinion bearing (.521)	As Req.

REAR AXLE

	REAR AXLE	_
	-	Per
Part Number	Part Name	<u>Vehicle</u>
Differential Ca	rrier Assembly (continued)	
940033	SHIM, pinion bearing (.522)	As Req.
940034	SHIM, pinion bearing (.523)	As Req.
940035	SHIM, pinion bearing (.524)	As Req.
940036	SHIM, pinion bearing (.525)	As Req.
940037	SHIM, pinion bearing (.526)	As Req.
940038	SHIM, pinion bearing (.527)	As Req.
940039	SHIM, pinion bearing (.528)	As Req.
940040	SHIM, pinion bearing (.529)	As Req.
940041	SHIM, pinion bearing (.530)	As Req.
940042	SHIM, pinion bearing (.531)	As Req.
940043	SHIM, pinion bearing (.532)	As Req.
940044	SHIM, pinion bearing (.533)	As Req.
940045	SHIM, pinion bearing (.534)	As Req.
940046	SHIM, pinion bearing (.535)	As Req.
940047	SHIM, pinion bearing (.536)	As Req.
940048	SHIM, pinion bearing (.537)	As Req.
940049	SHIM, pinion bearing (.538)	As Req.
940050	SHIM, pinion bearing (.245)	As Req.
940051	SHIM, pinion bearing (.251)	As Req.
940052	SHIM, pinion bearing (.252)	As Re
940053	SHIM, pinion bearing (. 253)	As Req.
940054	SHIM, pinion bearing (.254)	As Req.
940055	SHIM, pinion bearing (.255)	As Req.
940056	SHIM, pinion bearing (.256)	As Req.
940057	SHIM, pinion bearing (.262)	As Req.
940058	SHIM, pinion bearing (.268)	As Req.
940059	SHIM, pinion bearing (.274)	As Req.
940060	SHIM, pinion bearing (.279)	As Req.
940061	SHIM, pinion bearing (.285)	As Req.
940062	CAPSCREW, propeller brake spider oil slinger	8
940063	COTTER	1
940064	FLANGE and SLINGER ASSEMBLY, companion	1
940065	SEAL, "O" ring	1
940067	SLINGER, oil	1
940066	WIPER, seal	1
940068	GASKET, propeller brake spider oil slinger	1
940069	GASKET, pinion bearing cage brake spider	1
940070	LOCKWASHER, propeller brake spider oil slinger	8
940072	OIL SEAL ASSEMBLY	1
940073	PINION and NUT ASSEMBLY, drive (order kit 940122)	1
940071	NUT, pinion	1
940100	PINION, drive (Order kit 940122)	
940118	RETAINER, pinion rear bearing	-
940117	RING, drive pinion bearing lock	1

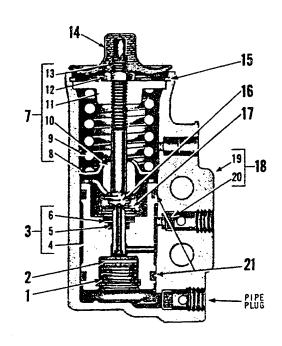
REAR AXLE

: Number	Part Name	Veh
erennal	Carrier Assembly (continued)	
74	CI INCER manuflar chaft brake spider oil	1
7 4 75	SLINGER, propeller shaft brake spider oil SPIDER, BUSHING and PIN ASSEMBLY, propeller sh	_
95	BUSHING, propeller shaft brake camshaft	. 2
96	OIL SEAL ASSEMBLY, propeller shaft brake camsh	aft l
97	PIN, propeller shaft brake camshaft anchor	2
76	WASHER, pinion bearing	1
91	. DIFFERENTIAL, DRIVE GEAR and PINION ASSEMBLY	1
77	DIFFERENTIAL and CONE ASSEMBLY	1
78	BOLT, case (long)	8
79	BOLT, case (short)	4
90	BOLT, differential and drive gear	12
22	KIT, differential drive gear and pinion replacement	1
90	*, BOLT, differential and drive gear	12
99	GEAR and PINION ASSEMBLY, differential (Order I	Kit 940122) 1
39	*, GEAR, drive (Order Kit 940122)	. 1
71	*, NUT, drive pinion	1
00	* PINION, drive (Order Kit 940122)	1
21	* LOCKWIRE, differential and drive gear bolt	6
20	* NUT, disserential and drive gear bolt	12
30	CASE ASSEMBLY, differential	1
31	CONE, differential bearing	2
32	GEAR, differential side	2
21	. , . LOCKWIRE, differential and drive gear bolt	6
33	LOCKWIRE, differential case bolt	4
20	NUT, differential and drive gear bolt	12
34	NUT, differential case bolt	12
35	PINION, differential	4
36	SPIDER, differential	1
37	WASHER, differential side gear thrust	2
38	WASHER, differential pinion thrust	4
)5	. LOCK, differential bearing adjusting ring	2
)6	. LOCKWIRE, differential bearing adjusting ring lock capso	
)7	. LOCKWIRE, differential bearing cap stud nut	2 8
)8	, LOCKWASHER, propeller brake spider capscrew	_
)9	NUT, drive gear thrust block screw	1
.0	. PLUG, inspection-filler and oil level hole	1 2
.1	RING, differential bearing adjusting	1
2	. SCREW, drive gear thrust block	As Req.
. 3	SHIM, pinion forward bearing cage(thin)	As Req.
.4	. SHIM, pinion forward bearing cage(medium)	As Req.
.5	SHIM, pinion forward bearing cage(thick)	As Req.
.6	. SHIM, pinion forward bearing cage(.003)	113 104.

GASKET, differential carrier

uplicate listing for purpose of clarity.

Part Name



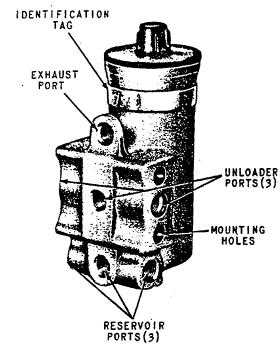


Figure 1

Air Governor

GBK-11276	GOVERNOR, air compressor	
1127607	. ADJUSTING SCREW and SPRING ASSEMBLY (7-Fig. 1)	
1127610	GUIDE, spring (10-Fig. 1)	
1127612	NUT (12-Fig. 1)	
1127613	SCREW, adjusting (13-Fig. 1)	
1127608	SEAT, spring lower (8-Fig. 1)	
1127611	SEAT, spring upper (11-Fig. 1)	
1127609	SPRING, (9-Fig. 1)	
1127618	. BODY ASSEMBLY (18-Fig. 1)	
1127619	BODY (19-Fig. 1)	
1127620	FILTER (20-Fig. 1)	
1127614	. COVER (14-Fig. 1)	
1127621	. GROMMET, (1.09" O.D.) (21-Fig.1)	
1127603	. PISTON ASSEMBLY (3-Fig. 1)	
1127605	GROMMET, (11/32" O. D.) (5-Fig. 1)	
1127604	PISTON (4-Fig. 1)	
1127606	WASHER (6-Fig. 1)	
1127622	. PLUG, pipe (1/8") (22-Fig. 1)	
1127615	. RING, retaining (15-Fig. 1)	
1127617	SPRING, exhaust stem (17-Fig. 1)	
1127616	STEM, exhaust (16-Fig. 1)	

. SPRING, valve (1-Fig. 1)

. VALVE, (2-Fig. 1)

BRAKES

Part Number	Part Name	Per Vehicle
Air Governor	(continued)	
GBK-11357 58T-37 GBK-11358 GBK-11355 58T-37 GBK-11356	TUBE ASSEMBLY, solenoid valve (drain) NUT, brass (1/4" tube standard inverted flare) TUBE, (1/4" O. D. x.035 wall) TUBE ASSEMBLY, (between solenoid valves) NUT, brass (1/4" tube standard inverted flare) TUBE, (1/4" O. D. x.035 wall)	1 1 1 1 2 1

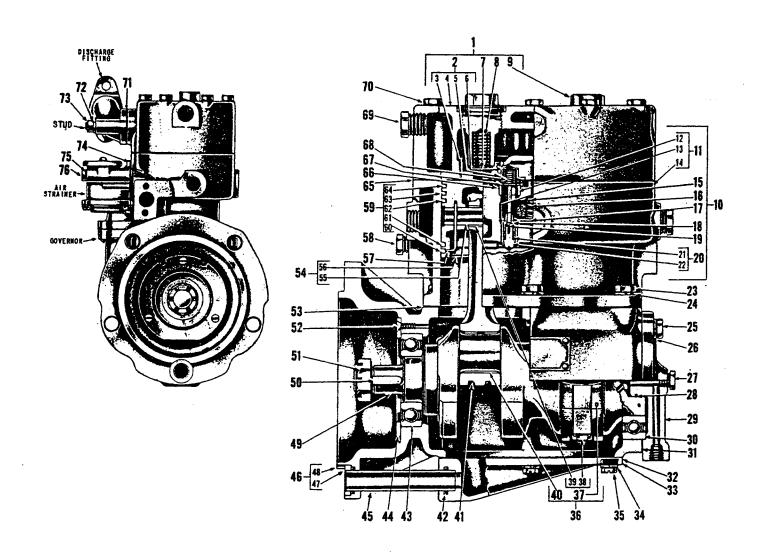


Figure 2

NOTE: Items 42 - 45 - 46 and 47 not used.

> > Ź

Air Compress	sor .	
GBK-11278	ADAPTER, strainer	1
2T-423	BOLT, hex head (cad. plated) (5/16" - 18 x 2-7/8")	2
180075	BOLT, hex head (cad. plated) (5/16" - 18 x 5/8")	2
180077	BOLT, hex head (cad. plated) (5/16" - 18 x 3/4")	2
1125072	COMPRESSOR ASSEMBLY, air	l
1125031	. BEARING, ball (30-Fig. 2)	1
1125043	. BEARING, ball (43-Fig. 2)	1
1125010	. BLOCK ASSEMBLY, cylinder (10-Fig. 2)	l
1125011	BODY ASSEMBLY, cylinder block (11-Fig. 2)	1
1125014	BODY, cylinder block (14-Fig. 2)	1
1125013	BUSHING, (13-Fig. 2)	2
1125012	SEAT, inlet valve (12-Fig. 2)	2
1125018	GUIDE, unloader plunger (18-Fig. 2)	2
1125020	PISTON ASSEMBLY, unloader (20-Fig. 2)	2
1125022	GROMMET, (21-Fig. 2)	2
1125023	PISTON, unloader (22-Fig. 2)	2
1125021.	RING, back-up (21-Fig. 2)	2
1125019	PLUNGER, unloader (19-Fig. 2)	2
1125017	SADDLE, unloader spring (17-Fig. 2)	1
1125015	SEAT, unloader spring (15-Fig. 2)	<u>.</u>
1125016	SPRING, unloader (16-Fig. 2)	1
1125045	. BODY, crankcase (48-Fig. 2)	-1
1125036	. CAPSCREW, (35-Fig. 2)	. 6
1125026	. CAPSCREW, (25-Fig. 2)	4
1125024	. CAPSCREW, (23-Fig. 2)	6
112507 1	. CAPSCREW, (76-Fig. 2)	2
1125067	. CAPSCREW, (70-Fig. 2)	10
1125030	. COVER, rear end (29-Fig. 2)	1
1125034	. COVER, crankcase (33-Fig. 2)	1
1125046	. CRANKSHAFT (49-Fig. 2)	1
1125070	. GASKET, strainer (74-Fig. 2)	1
1125068	. GASKET, discharge fitting (71-Fig. 2)	1
1125062	. GASKET, cylinder head (65-Fig. 2)	1
1125032	. GASKET, end cover (31-Fig. 2)	1
1125033	. GASKET, crankcase cover (32-Fig. 2)	1
1125050	GASKET, cylinder block (53-Fig. 2)	2
1125063	. GUIDE, inlet valve (66-Fig. 2)	1
1125001	. HEAD ASSEMBLY, cylinder (1-Fig. 2)	1
1125002	BODY ASSEMBLY, cylinder head (2-Fig. 2)	1
1125004	BODY, cylinder head (4-Fig. 2)	2
1125005	INSERT, inlet valve spring (5-Fig. 2)	<u>.</u>

. . . SEAT , inlet valve spring (6-Fig. 2)

. . . SEAT, discharge valve (3-Fig. 2)

. . NUT, discharge valve cap (9-Fig. 2)

BRAKES

		Per
Part Number	Part Name	Vehicle
Air Compress	or (continued)	
1125000		2
1125008	SPRING, discharge valve (8-Fig. 2)	2
1125007	VALVE, discharge (7-Fig. 2)	2
1125047	. KEY, crankshaft (50-Fig. 2)	1
1125027	LOCKWASHER (26,72 & 75 - Fig. 2)	8
1125025	. LOCKWASHER (24-Fig. 2)	6
1125035	. LOCKWASHER (34-Fig. 2)	6
1125042	. LOCKWASHER (41-Fig. 2)	4
1125054	. LOCKWIRE, wrist pin (57-Fig. 2)	2
1125069	. NUT (73-Fig. 2)	2
1125048	. NUT (51-Fig. 2)	1
1125051	. PISTON and WRIST PIN SET (54-Fig. 2)	2
1125052	PIN, wrist (55-Fig. 2)	2
1125053	PISTON, (56-Fig. 2)	2
1125028	. PLUG, pipe (1/8") (27-Fig. 2)	1
1125055	. PLUG, pipe (1/4") (58-Fig. 2)	1
1125066	. PLUG, pipe (3/8") (69-Fig. 2)	6
1125044	. RETAINER, bearing (44-Fig. 2)	1
1125029	. RING, oil seal (28-Fig. 2)	1
1125056	. RING SET, piston (59-Fig. 2)	1
25057	. RING, piston (60 thru 64-Fig. 2)	10
1125037	ROD, connecting - complete (36-Fig. 2)	2
1125041	. INSERT, bearing (40-Fig. 2)	4
1125038	. ROD and CAP ASSEMBLY, connecting (37-Fig. 2)	. 2
1125039	BOLT (38-Fig. 2)	4
1125040	BUSHING, wrist pin (39-Fig. 2)	2
1125049	. SCREW, machine (52-Fig. 2)	3
1125065	. SPRING, inlet valve (68-Fig. 2)	2
1125073	. STUD, head	2
1125064	. VALVE, inlet (67-Fig. 2)	2
64T-83	ELBOW, compressor fitting (1/2 P x 3/4T)	1
64T-84	ELBOW, compressor fitting (3/4 P x 3/4T)	1
444486	ELBOW, compressor fitting (3/4 F x 3/41) ELBOW, street (90° - 3/4 - 14 BRASS)	1
GBK-11296	FITTING, air compressor discharge	1
GBK-11277	GASKET, air compressor discharge	1
GBK-11277 GBK-11396	HOSE, air compressor cooling system (13/32" I. D. x 2. 9")	1
120214	LOCKWASHER, (cad. plated 5/16")	4
131183	· · · · · · · · · · · · · · · · · · ·	4
120376	LOCKWASHER, (#10)	2
	NUT, hex 5/16" - 18 cad. plated)	4
120221	SCREW, $(#10-24 \times 1/2")$	'±
Air Brake Line	<u>s</u>	
02	CI AMD lamain massure trans	2
- 1 - 83 140306	CLAMP, low air pressure hose	2
140300	CONNECTOR, elbow (3/8 T x 1/4 P)	ī

BRAKES

Per

Part Number	Part Name	Vehicle
Air Brake Line	es (continued)	
MH440-2623	CONNECTOR, straight (3/8 T x 1/2 P)	1
59T-2	ELBOW, pipe (1/8")	1
GBK-11297	GASKET, flexible line to discharge fitting	1
GBK-10614	HOSE ASSEMBLY, tee at bulkhead to air governor	1
GBK-10615	HOSE ASSEMBLY, air governor to spit valve	1
GBK-10616	HOSE ASSEMBLY, normal stop cylinder to Skinner valve	1
GBK-10617	HOSE ASSEMBLY, fast idle cylinder to Skinner valve	1
GBK-10618	HOSE ASSEMBLY, Skinner valve to throttle safety cylinder	1
GBK-10619	HOSE ASSEMBLY, tee at bulkhead to Skinner air valve	1
64T-39	TEE, male branch (1/8")	2
GBK-11275	TUBE, air horn to compressor intake	1
GBK-11279	TUBE, air reservoir to automatic drain valve	1

	CLUICH	
Part Number	Part Name	Per Vehicle
art Halliber		
Clutch Assemb	<u>oly</u>	
181638	BOLT $(3/8^{11} - 24 \times 1 - 1/8^{11} \text{ hex head})$	18
GBK-8953	CARRIER and BEARING ASSEMBLY, clutch throw-out	1
GBK-8955	. BEARING, clutch throw out	1
GBK-8954	. CARRIER, clutch throw out bearing	1
GBK-8956	. PLATE, clutch throw out bearing	2
2T-424	. SCREW, flat, socket head (#8-32 x $1/2$ " nylok)	4
GBK-8957	. SPRING, clutch throw out bearing	2
GBK-8950	CLUTCH	1
895001	. COVER PLATE ASSEMBLY	1
895025	CAPSCREW	12
895016	COVER PLATE and DRIVE BLOCK ASSEMBLY	1
895019	BLOCK, drive	6
895020	LOCATOR, pressure spring	24
895018	LOCKWASHER, (7/16" med.)	6
895017	NUT, hex (7/16 - 20 thd.)	6
895021	NUT, release lever adjusting	6
895026	NUT, stover (5/16" - 24 thd.) self locking	12
895005	PLATE and LEVER ASSEMBLY, pressure	1
^95009	PIN, cotter (3/32" x 5/8" long)	12
7 5010	PIN, release lever	6
895007	PIN, release lever	6 1
895006	PLATE, pressure	168
895008	ROLLER, release lever needle	6
895012	SPRING, release lever	6
895014	UNIT, release lever and thrust button	6
895015	BUTTON, lever thrust	12
895013 895011	WASHER	6
895022	YOKE, release lever	6
895024	PLATE, thrust	24
895023	SPRING, pressure	24
895002	WASHER, pressure spring insulator . MEMBER ASSEMBLY, driven (flywheel side)	1
89500 3	. MEMBER ASSEMBLY, driven (frywheer side)	1
895004	. PLATE, center drive	1
GBK-9110	CUP, grease	1
GBK-9060	LEVER, clutch	1
120382	LOCKWASHER, (3/8")	18
Clutch Control	_	
CDIC 0000		2
7BK-9023	BEARING, clutch control flange	2 7
31608	BOLT (5/16" - 24 x 1")	1
GBK-9041	BOLT, eye	1
271749	BOLT, hex head $(3/8" - 18 \times 2 - 1/4")$	1

		Per
Part Number	Part Name	Vehicle
Clutch Control	(continued)	
Clatch Control	(continued)	
GBK-9006	BRACKET ASSEMBLY, clutch bell crank	1
GBK-9020	BRACKET, clutch return	1
GBK-9038	BRACKET, clutch extension	1
5 T- 85	CLAMP, rubberized	1
GBK-9021-A	CONTROL ASSEMBLY, clutch forward	1 2
181648	. BOLT, $(3/8" - 24 \times 2")$	2
119512	. FITTING, grease	2
113782	. KEY, Woodruff $(1/4" \times 1")$	1
GBK-9042-A		1
GBK-9035-A	. LEVER, clutch forward	3
120382	. LOCKWASHER (3/8")	3
120369	. NUT, (3/8" - 24)	1
GBK-9028	. SHAFT, intermediate - clutch control	1
GBK-9022	. SUPPORT and BEARING ASSEMBLY, clutch control	1
GBK-9029	LEVER, clutch control	1
GBK-9002	LEVER ASSEMBLY	1
GBK-9004	BUSHING, oilite (. 876 I. D. x 1. 128 O. D. x 1" long)	2
GBK-9005	BUSHING, oilite (.5015 I.D. x.628 O.D. x 9/16 long)	}
121574	LOCKWASHER, (5/8" med. cad. plated)	,
120380	LOCKWASHER, (1/4" cad plated)	4
121752	LOCKWASHER, external tooth (#8)	7
120214	LOCKWASHER, (5/16" - 24)	. 1
121358	NUT (5/8" - 18 cad. plated)	4
120622	NUT, hex mach. screw (#8-32)	2
120367	NUT, (1/4" - 28)	7
120368	NUT, (5/16" - 24")	4
114786	PIN, clevis (7/16")	1
138080	PIN, clevis $(1/2" \times 1-27/64")$	1
456173	PIN, cotter $(1/8" \times 7/8")$	4
121222	PIN, cotter $(3/32'' \times 3/4'')$	1
GBK-9030	ROD ASSEMBLY, clutch linkage	1
117825	. CLEVIS, adjusting	1
451525	. NUT, jam	1
GBK-9032	ROD ASSEMBLY, clutch linkage	1
117825	. CLEVIS, adjusting	1
451525	. NUT, jam	1
GBK-9036	ROD ASSEMBLY, clutch control rear	1
124934	. NUT, jam (1/2" - 20)	1
GBK-9037	. ROD, clutch control rear	1
7T-6	. YOKE, adjusting SCREW, machine (#8-32 \times 1-1/4")	4
9415767	SHAFT, clutch bellcrank lever (short)	:
GBK-9196	SPACER, clutch bell crank lever and bracket	1
GBK-9009 1C-9737	SPRING, clutch retracting	1
10-7131	of itilian, ciaton fortacome	

Part Number	Part Name		Per Vehicle
Clutch Control	(Continued)		
GBK-9024 60T-131 120385 446152 GBK-9034	SUPPORT, clutch forward WASHER (11/32" I. D. x 1" O. D. x 1/16" thick) WASHER (plain 1/4") WASHER, plain (cad. plated) WASHER, rod support (Fabric)		1 1 1 4 2
Clatal Control	Cylinder		-
2T-421 GBK-9053	BOLT, (1/2 - 20 x 2-1/4 cad. plated) BRACKET, air cylinder		1
20 21	19	18	



9 10 11 12 13 14 15 16 17

GBK-9069	CYLINDER ASSEMBLY, air	1
906917	. BOLT (3 of fig. 3)	4
906925	. BOOT, air cylinder	1
906915	. BREATHER ASSEMBLY (18 of fig. 3)	1
6919	. BUSHING (7 of fig. 3)	1
906923	. COVER (rear) (17 of fig. 3)	1

	CLUTCH	Per
	Part Name	Vehicle -
Part Number	Part Name	1011010
Clutch Control	Cylinder (continued)	
		1
906924	. KIT, repair	. 1
906913	BLOCK, vee (13 of fig. 3)	1
906901	COVER ASSEMBLY, front (2 of fig. 3)	1
906902	BUSHING, (21 of fig. 3)	1
906903	PLUG, pipe	1
906904	RETAINER (22 of fig. 3)	1
906905	SEAL (20 of fig. 3)	î
906906	SEAL (19 of fig. 3)	1
906907	WASHER (6 of fig. 3)	1
906908	. FELT, piston (14 of fig. 3)	1
906909	"O" RING (9 of fig. 3)	2
906910	"O" RING (4 of fig. 3)	1
906911	"O" RING (11 of fig. 3)	1
906912	RING, piston (10 of fig. 3)	4
906922	. NUT, elastic stop (16 of fig. 3)	1
906921	. NUT, elastic stop (12 of fig. 3)	
906914	. PISTON (15 of fig. 3)	1
906916	. ROD, push (1 of fig. 3)	1
906918	. TUBE, (5 of fig. 3)	1
906920	. WASHER, (8 of fig. 3)	1
GBK-9065	ELBOW, 3/8" brass fitting	2
GBK-9063	END, lower rod	1
GBK-9062	END, upper rod	. 1
GBK-9066	HOSE ASSEMBLY, supply air assist clutch (1/4" I. D.)	1
GBK-9067	HOSE ASSEMBLY, cylinder air assist clutch (3/8" I. D.)	1
GBK-9111	HOSE ASSEMBLY, clutch bearing tube	1
120384	LOCKWASHER, (1/2")	1
124944	NUT, jam (5/8 - 18")	1
124934	NUT, jam (1/2 - 20")	1
125250	NUT, castellated (1/2 - 20")	2
GBK-9061	NUT, special adjusting	1
138080	PIN, clevis (1/2")	1
431675	PIN, $(1/2 \times 1-27/64)$ cad. plated)	. 1
103374	PIN, cotter (3/32" x 1")	2
103385	PIN, cotter (1/8" x 1")	2
GBK-9064	SCREW, shoulder (1/2" dia.)	1
Clutch Accumu	lator, Control Valve and Lever	
7T-6	CLEVIS, adjusting (1/2"), clutch valve	1
GBK-9065	ELBOW, 3/8 brass fitting, clutch valve	1
GBK-9068	ELBOW, 5/16" brass fitting, clutch valve	1
124934	NUT, jam (1/2-20")	2
GBK-9059	ROD, upper, clutch valve	1
/	—··· · · · · · · · · · · · · · · · · ·	

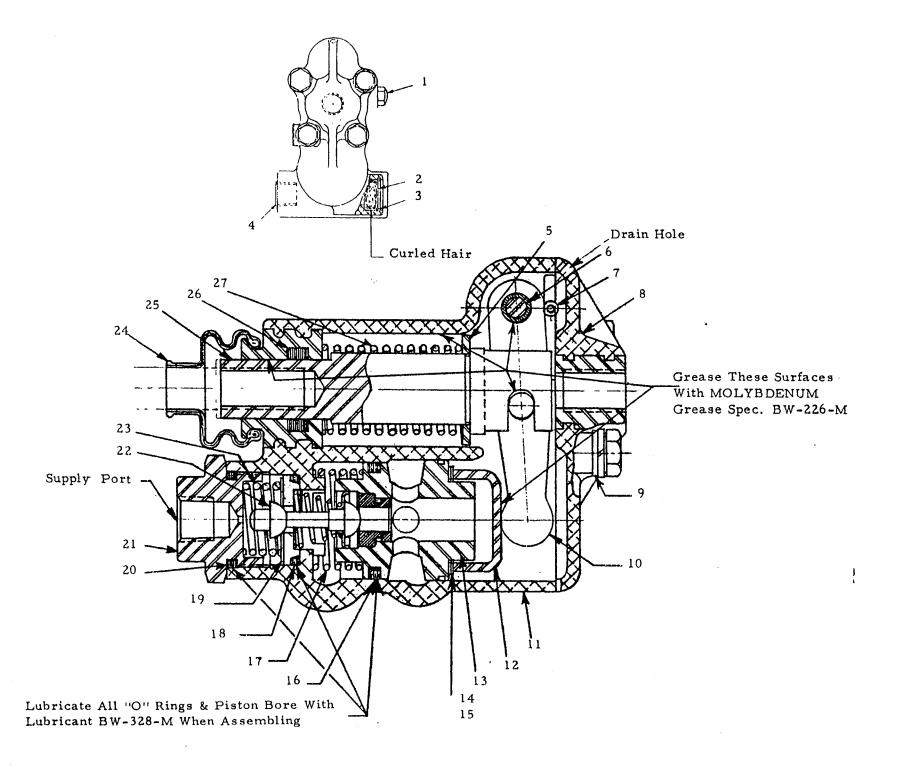


Figure 4

Per

Part Number	Part Name	Vehicle
Clutch Accumu	lator, Control Valve and Lever (continued)	
GBK-9055	ROD ASSEMBLY, clutch valve	1
GBK-9051	VALVE, pull type clutch	1
905129	. BALL TYPE OILER, (5/16 -32") (1 of fig. 4)	1
905101	. BODY ASSEMBLY, (with insert) (11 of fig. 4)	1
905130	. BOOT (24 of fig. 4)	1
905108	. CAP, inlet (21 of fig. 4)	. 1
905123	. CAPSCREW, (5/16 - 18" hex head)	4
905121	. COVER, (includes insert) (8 of fig. 4)	1
905102	. FELT OILER (26 of fig. 4)	1
9051 0 7	. GROMMET, inlet cap (20 of fig. 4)	1
905103	. GROMMET, inlet valve seat (18 of fig. 4)	1
905111	. GROMMET, piston (16 of fig. 4)	1
N. P. N.	. HAIR, pulled curled	.01.oz.
905118	. LEVER, (complete) (10 of fig. 4)	1
905133	BUSHING	1
905131	. LEVER	1
905132	PIN, lever	1
905122	. LOCKWASHER (5/16")	4
905128	. PIPE PLUG, (1/4") (4 of fig. 4)	1 .
905120	. PIN, cotter (7 of fig. 4)	1
905119	. PIN, fulcrum (6 of fig. 4)	1
905110	. PISTON and VALVE SEAT, (complete) (13 of fig. 4)	1
905125	. PLATE, strainer (2 of fig. 4)	. 2
905127	. RING, retaining (3 of fig. 4)	1
905117	. ROD, pull (25 of fig. 4)	1
905114	. SEAT, spring (12 of fig. 4)	1
905106	. SPRING, (23 of fig. 4)	1
905109	. SPRING, piston return (17 of fig. 4)	1
905115	. SPRING, pull rod (27 of fig. 4)	1
905104	. VALVE, inlet and exhaust (complete) (22 of fig. 4)	1
905105	. WASHER (19 of fig. 4)	1
905124	. WASHER, plain (5/16") (9 of fig. 4)	1
905116	. WASHER, pull rod (5 of fig. 4)	1
905113	. WASHER, shim (15 of fig. 4)	As Req.
905112	. WASHER, shim (14 of fig. 4)	As Req.

	COOLING	Ð
Part Number	Part Name	Per Vehicle
Radiator		
444163	ELL, street, brass (1/8" N.P.T.)	1
444284	NIPPLE, (1/8" N. P. T.)	1
444590	PLUG, pipe drain (brass)	1
GBK-9452	RADIATOR ASSEMBLY (Less Controls)	. 1
GBK-9451	RADIATOR ASSEMBLY (With Controls)	1
945005	. BAR, header (long)	4
945006	. BAR, header (short)	4
945011	. CAP, radiator (w/chain)	. 1
945016	. CAPSCREWS, hex head (5/16 - 18 x 1" long)	88
945013	. CAPSCREW, hex head (7/16 - 14 x 1-3/8" long)	2
945007	. CORE and HEADER ASSEMBLY	1
945010	. GASKET	2
945019	LOCKWASHERS, (1/2")	12
945012	. LOCKWASHERS, (5/16") (steel)	94
945014	. LOCKWASHERS, (7/16") (steel)	2
945008	. MEMBER ASSEMBLY, side RH	1
945009	. MEMBER ASSEMBLY, side LH	1
945017	NUTS, hex (5/16 - 18") (steel)	88
945018	. NUTS, hex (1/2 - 13) (steel)	12
945015	SCREWS, round head machine (5/16 - 18 x 5/8" long)	-6
945004	. SHROUD, fan	1
945001	. SHUTTER ASSEMBLY	_ 1
945053	. ANGLE, L.H.	1
945054	. ANGLE, R.H.	1
945051	. BAR, control (1/4" x 1/2" Alum.)	1
945055	BOX ASSEMBLY	1
945041	. BRACKET, spring anchor	1
945050	. BRACKET and STUD ASSEMBLY, control	1
945052	. BUSHING, nylon	32
945040	. CAPSCREW, hex head (5/16" - 18 x 5/8" long)	1
945043	COTTER PIN	1
945056	LEVER	. 1
945039	. LOCKWASHER (5/16")	1
945038	. NUT, hex (5/16" - 18")	1
945046	RINGS, "E" retaining	6
945044	ROD ASSEMBLY, control	1
945058	CLEVIS PIN (5/16 dia.)	1
945060	COTTER PIN (3/32 dia.)	1
945061	LOCKNUT, hex (1/4" - 20)	1
945062	NUT, hex jam (5/16" - 24)	1
945063	ROD, control	1
145064	SPRING (OVERTRAVEL)	1
945065	. YOKE, adjustable (5/16")	1
945049	. SCREW, machine and lockwasher (#10 - 24 x 5/8")	2
,	• • • • • • • • • • • • • • • • • • • •	

Per

Part Number	Part Name	Vehicle
Radiator (contin	ued)	
945042	SEAL, sponge rubber	2
945045	"SEMS", Phillips truss head (1/4" - 20 x 3/8")	8
945037	. SPRING	I
945057	SPRING, lever	1
945048	. VANE ASSEMBLY, crank L.H.	16
945047	. WASHER, vane	6
945003	. TANK ASSEMBLY, bottom	1
945002	. TANK ASSEMBLY, top	1
945059	. CONTROL ASSEMBLY, Vernatherm	l
945022	CASTING, flange(1-Fig. 5)	1
945036	. GASKET, flange (16 - Fig. 5)	1
945033	. LEVER and SHAFT ASSEMBLY (13 - Fig 5)	1
945024	NUT, hex jam (5/8 - 18" N.F. Brass) (4 - Fig. 5)	1
945030	PIN, bearing (1/2" dia.) (10 - Fig. 5)	1
945031	PLUG, lead (11 - Fig. 5)	1
945021	POWER UNIT ASSEMBLY (2 - Fig. 5)	1
945027	RING, retaining (7 - Fig. 5)	1
945034	RING, retaining (14 - Fig. 5)	2
945023	. RING, "O" Packing (5/8" I.D.) (3 - Fig. 5)]
945028	. ROD, push (8 - Fig. 5)	•
945035	. ROLLPIN (5/32" dia. $\times 7/8$ " long) (15 - Fig. 5)	1
945032	SCREW (1/4" - 28" N.F.) (12 - Fig. 5)	1
945025	. WASHER, $(27/32''O.D. \times 3/8'' I.D.) (5 - Fig 5)$. 2
945026	WASHER, felt (6 - Fig. 5)	1
945029	. YOKE, crank bearing (9 - Fig. 5)	1
945020	. WASHER, plain (1/2")	12
GBK-9455	VALVE, radiator pressure relief	1
14 10 15	9 11 13 12 8 7 6 5 1 16 3	4 2

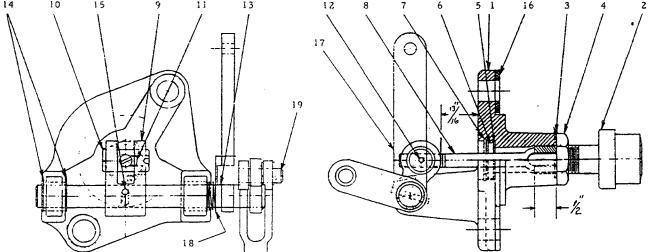
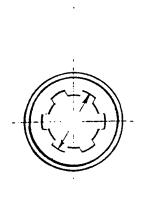


Figure 5

	COOLING	
		Per
Part Number	Part Name	Vehicle
Radiator Moun	ting	
		_
213875	BOLT, hex head $(1/4" - 28 \times 1/2" \text{ cad. plated})$	1
181567	BOLT, hex head $(1/4" - 28 \times 1" \text{ cad. plated})$	2
180081	BOLT, $(5/16'' - 18 \times 1 - 1/4'')$	2
181637	BOLT, hex head $(3/8" - 24 \times 1 \text{ cad. plated})$	4
181646	BOLT, $(3/8'' - 24 \times 1-3/4'')$	2
-180176	BOLT, $(1/2'' - 13 \times 1-3/8'')$	4
GBK-9670	BRACKET ASSEMBLY, cooling system lower	1
GBK-9662	BRACKET ASSEMBLY, water cross over tube	1
GBK-9602	BRACKET ASSEMBLY, radiator latch & engine stabilizer	
GBK-10912	BRACKET, lower-keeper	1
GBK-9501	BRACKET ASSEMBLY, radiator support	2
180177	. BOLT $(1/2" - 13 NC \times 1-1/2" \text{ cad. plated})$	12
120384	. LOCKWASHER (1/2" med. cad. plated)	12
GBK-9605	CHAIN-SAFETY, pin	1
GBK-10910	KEEPER, door lock upper	1
GBK-9601	LEVER ASSEMBLY, radiator latch	1
960101	. BALL	1
960103	. CAP, adjusting knob	1
960104	. HOUSING, spring ball	1
760102	. SPRING	1
₃ BK-9606	. PLATE ASSEMBLY, lock	1
GBK-9607	WASHER, rubber	1
120382	LOCKWASHER (3/8" cad. plated)	.6
120384	LOCKWASHER (1/2")	4
24T-32	NUT, elastic stop (1/2" - 20)	1
120369	NUT, hex (3/8" - 24)	4
114785	PIN, clevis (3/8")	1
137159	PIN, cotter $(3/32'' \times 5/8'')$	1
GBK-9604	PIN, locking	1
GBK-9633	ROD, radiator stop (ATT. TO RADIATOR)	1
GBK-9631	ROD, radiator stop (ATT. TO CRADLE)	1
GBK-10911	STRIP, upper keeper tapping	1
120388	WASHER, plain (cad. plated)	2
120394	WASHER, plain (3/8")	4
120396	WASHER, plain (1/2")	4
Water Fittings,	Hose and Surge Tanks	
190122	POLT has bond /2/91: 14\	5
180122	BOLT, hex head (3/8" -16)	3
180075	BOLT, hex head (5/16" - 18 x 5/8" cad. plated)	2
181613	BOLT, hex head (5/16" - 24 x 1-3/8")	1
GBK-9663	BRACKET, water tube	
20322 CBK 0653	BUSHING, reducer (1/2" x 3/8")	.l 8
GBK-9653	CLAMP, cooling system hose	0

	COOLING	_
		Per
Part Number	Part Name	Vehicle
		•
Water Fittings,	Hose and Surge Tanks (continued)	
		,
GBK-9659	CLAMP, hose (2-13/16' - 3-3/4" range)	6
GBK-9664	ELBOW, radiator (2-3/4" O.D. Bolton type)	1
GBK-9655	ELBOW, radiator (2-3/4" O.D 90°)	1
GBK-9651	HOSE, lower flexible radiator (2-3/4" I.D.)	1
GBK-9652	HOSE, upper flexible radiator (3" I.D.)	1
GBK-10604	HOSE ASSEMBLY, engine block supply line to Perry	•
	water filler	1
GBK-10605	HOSE ASSEMBLY, Perry water filter to engine block-	1
CDV 0450	return line HOSE, pump inlet (2-3/4" x 4-1/2")	1
GBK-9658	HOSE, pump limet $(2-3)^{\frac{1}{4}} \times 4-1/2$ HOSE, pump outlet $(2-1/4)^{\frac{1}{4}} \times 3-1/2$	2
GBK-9657	LOCKWASHER (3/8" cad. plated)	5
120382	LOCKWASHER (5/16")	5
12021 4 65T-7	NIPPLE, close (3/8" Brass)	1
120368		2
GBK-11301	NUT, hex (5/16 - 24") THERMOSTAT, engine overheat	1
GBK-9656	TUBE, engine water outlet connecting	1
		•
Fan and Drive	· •	
<u>F</u>	an	
GBK-9802	BLADE ASSEMBLY, engine cooling fan	1
GBK-9801	HUB, engine cooling fan	1
		_
F	an Gear Box	
444000	ADAPTER, brass $(1/4 \times 1/4" \text{ N. P. T.})$	1
181709	BOLT, hex head $(1/2" - 20 \times 2 - 1/2")$	As Req'd
181705	BOLT, $(1/2 - 20 \times 2" \text{ cad. plated})$	3
181707	BOLT, $(1/2 - 20 \times 2 - 1/4)$ cad. plated)	1
GBK-9855	BOX, gear (1:1 ratio)(FAN & HYDRAULIC PUMP DRIVE	1
985037	. CAP, flexible elastoplastic	1
985036	FITTING, relief (1/4" pipe thd.)	1
985031	. GASKET (red .0025)	As Req'd
985032	. GASKET (pink .016)	As Req'd
985033	. GASKET (tan . 004)	As Reqid
985034	. GASKET (clear .008)	As Req'd
985038	. SCREW, button head socket (nylok)	16
985035	. SHAFT, output	1
	OR ALL OTHER COMPONENTS SEE - GBK - 9850 ASSY.	4
GBK-9850	BOX, gear (1:1 ratio) (FAN DRIVE ONLY)	1
985025	. CAP, flexible elastoplastic	1
985029	. CAPSCREWS, socket head (nylok) (5/16 - 18 x 7/8" lo	
985004	. CARRIER, bearing	1 4
985017	, CONE	4

	COOLING	_
		Per
Part Number	Part Name	Vehicle
Fa	an Gear Box (continued)	·
985008	. COVER, shaft (dead end)	1
985006	. COVER, shaft (dead end) . COVER, shaft (live end input and output)	1
985002	. COVER, housing	1
985018	. CUP	4
985023	. FITTING, relief (alemite 1/4" pipe thd.)	1
985039	. GASKET, shaft cover . 002 Red	As Req.
985040	. GASKET, shaft cover . 004 Tan	As Req.
985041	. GASKET, shaft cover . 0075 Grey	As Req.
985042	. GASKET, shaft cover . 015 Pink	As Req.
985005	. GASKET, bearing carrier	3
985003	. GASKET, housing cover	. 1
985030	. GEAR & PINION SET, bevel	1
985001	. HOUSING	1 1
985026	. KEY, (input and output) $(1/4 \times 1/4 \times 1-1/8" \text{ long})$	2
985024	. PLUG, pipe (3/8" socket head)	1
985020	. RING, snap (external)	1
985019	. RING, snap (internal)	16
985028	. SCREWS, Phillips truss head (5/16-18 x 7/8" long)	10
985021	. SEAL, oil (input and output)	ī
985011 985010	. SHAFT, output . SHAFT, input	1
35013	. SPACER, output	2
985012	. SPACER, input	1
103387	COTTER, $(1/8 \times 1-1/2'')$	1
187395	COUPLING, pipe $(1/4 \times 1-3/16)$ long)	.1
124553	KEY, Woodruff	1
120384	LOCKWASHER, (1/2 cad. plated)	4
119291	NIPPLE, pipe (1/4 x 6" long)	• 6
75T-75	NUT, slotted (1/2 - 20)	1
120371	NUT, $(1/2 - 20 \text{ cad. plated hex})$	4
444584	PLUG, brass (3/8 N. P. T.) Square head	1
GBK-9956	SHIM, (1/16") (Between Gear Box & Support)	As Req.
GBK-9957	SHIM, (1/8") (Between Gear Box & Support)	As Req.
GBK-9958	SHIM, (1/4") (Between Gear Box & Support)	As Req.
GBK-9959	SHIM, (3/8") (Between Gear Box & Support)	As Req.
,	n Drive, Universal Assembly	1
14T-39	Key	1
85T-5	LOCKWIRE	1
GBK-11406	PIN, roll (3/16 x 2'')	1
78T-20	SET SCREW (square head)	1
GBK-9900	UNIVERSAL ASSEMBLY, fan drive	2
1011704	. KIT, journal and bearing (2-Fig. 6)	4
011706	BEARING ASSEMBLY	4
J11709	GASKET, journal	1
1011705	JOURNAL CROSS ASSEMBLY	•



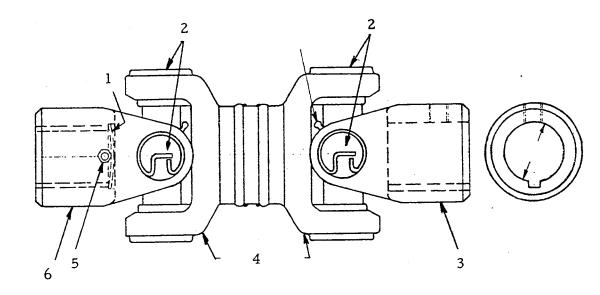


Figure 6

Fan Drive, Universal Assembly (continued)

		•
935009	NIPPLE, zerk (5 - Fig. 6)	1
1011707	RING, snap	4
	PLUG, sleeve yoke (1 - Fig. 6)	1
1011703		. 1
990002	. SHAFT SUB-ASSEMBLY (4 - Fig. 6)	1
1011702	. YOKE ASSEMBLY, sleeve (6 - Fig. 6)	1
990001	. YOKE, end (for permanent joint) (3 - Fig. 6)	1

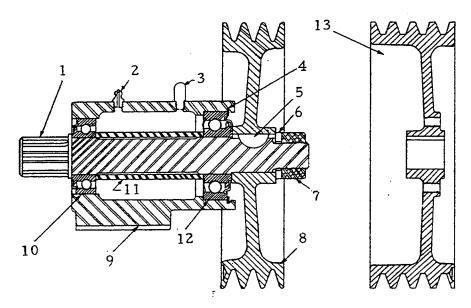


Figure 7

	000211.0	
		Per
Part Number	Part Name	 Vehicle

Pillow Block W/Bracket and Idler Pulley (Engine Cooling)

GBK-10017	BEARING, ball idler pulley (8 & 9 - Fig. 8)	2
2T-419	BOLT, idler adjusting	1
GBK-9950	BRACKET, pillow block fan drive	1
GBK-10116	DOWEL, pillow block (2) and support (2)	4
119512	FITTING, lubrication (7 - Fig. 8)	1
120382	LOCKWASHER, (3/8 med cad. plated)	8
120384	LOCKWASHER, (1/2" med. cad. plated)	4
2 7 2920	NUT, lock (3/4" - 16")(6-Fig. 8)	1
272922	NUT, lock (7/8" - 14")(1-Fig. 8)	1
120369	NUT, hex (3/8 - 24" cad. plated)	6
120371	NUT, hex (1/2 - 20" N.F. cad. plated)	4
GBK-10000-A	PILLOW BLOCK ASSEMBLY, (3 groove pulley)	1
GBK-10010-A	. PILLOW BLOCK ASSEMBLY, (w/out pulley)	1
GBK-10016	BEARING, pillow block ball (universal end) (10-Fig. 7)	1
GBK-10003	BEARING, pillow block ball (pulley end) (12-Fig. 7)	1
GBK-10004	BODY, pillow block (9-Fig. 7)	1
119512	. FITTING, lubrication (cad. plated)(2-Fig. 7)	1
124553	KEY, Woodruff $(1/4 \times 1")(5-\text{Fig. }7)$	1

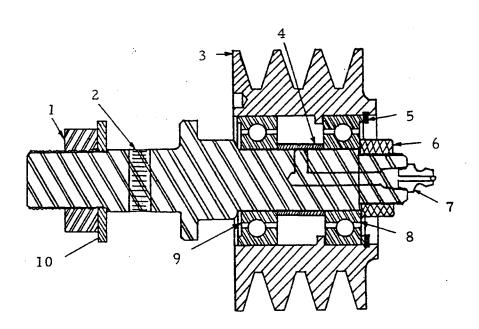


Figure 8

		Per
Part Number	Part Name	Vehicle -
1.1		
Pillo	w Block W/Bracket and Idler Pulley (Engine Cooling)(continued)	
	(2 i.g. 0 d oozing (0 oozi	
131208	LOCKWASHER, (7/8" med. cad. plated)(6-Fig. 7)	1
272257	NUT, thick (7/8" - 14" cad. plated)(7-Fig. 7)	2
GBK-10001	PULLEY, engine cooling fan drive (8-Fig. 7)	1
GBK-11287	. RING, retainer (4-Fig. 7)	1
GBK-10002-A	SHAFT, pillow block fan drive (1-Fig. 7:)	1
GBK-10015	SPACER, pillow block bearing (11- Fig. 7)	1
GBK-10008	VENT, air (3-Fig. 7)	1
GBK-10006	PULLEY, idler (3-Fig. 8)	1
GBK-10007	RING, snap (5 - Fig. 8)	1
GBK-10005	SHAFT, fan drive idler (2 - Fig. 8)	1
GBK-10014	SPACER, fan idler pulley (4 - Fig. 8)	1
76T-195	STUD, (1/2 - 13 N.C. & 1/2 - 20" N.F. x 2-1/4" long)	4
76T-196	STUD, (3/8 - 16 N.C. & 3/8 - 24" N.F. x 1-3/4" long)	6
60T-172	WASHER, idler shaft (10 - Fig. 8)	1
<u>Fan</u>	Support Assembly	
	BOLT, hex head $(1/2 - 20 \times 1 - 1/4)$ cad. plated)	5
181698		1
GBK-9965	BRACE, fan support	_
120384	LOCKWASHER, (1/2" med. cad. plated) NUT, hex (1/2 - 20" cad. plated)	>
120371	SHIM (between fan support and cradle	As Req.
GBK-9967	SHIM (1/16")(between fan support & cradle)	As Req.
GBK-9968	SHIM (1/10)(between fan support & cradle)	As Req.
GBK-9969 GBK-9970	SHIM (1/6)(between fan support & cradle)	As Req.
GBK-9970 GBK-9971	SHIM (1/4")(between fan support & cradle)	As Req.
GBK-9971 GBK-9960	SUPPORT, fan	1
GDV-3300	JOFFORT, Lan	_

	ELECTRICAL	_
Dart Number	Part Name	Per Vehicle
Stop and Tail Lamp	os .	
162459	SCREW, oval head (#10 - 12 x 5/8") (attach stop a	nd . 4
GBK-11079	tail light) SEAL, tail light rim (rubber)	4
Target and License	: Lamp	
5T-59	CLIP	1
5T-88	CLIP	3
89T-4	GROMMET(license plate light hole)	1
GBK-11025	LAMP ASSEMBLY, license	1
	· ·	
1102502	. BACK ASSEMBLY (includes - socket - terminal	1
1102503	. BULB (#67 - 12V-4C. P.)	_
1102501	. HOUSING ASSEMBLY, (includes - rivet - lens)	1
1102507	. NUT, latch speed type	2
1102506	. PAD, rubber mounting	1
1102504	. SCREWS (#6 - 32 x 1/4" chrome plated Phillips)	
1102505	. SCREWS (#10 x 1-1/4" sheet metal - type "A")	2
162459	SCREW (#10 - 12 x 5/8")	3
M5-2911	SLEEVE, connector	1
3K-11037	WIRE ASSEMBLY, license plate light	1
	,, 11c2 11c22,11c2 1, 11cc11cc process	
Starting Motor		
1114098	STARTING MOTOR ASSEMBLY	1
1114058	STARTING MOTOR ASSEMBLY	1
1945906		1
	ARMATURE	1
1942257	BOOT	8
1906988	BRUSH	1
1918690	. BUSHING, insulated terminal stud - (C. E.)	_
1937116	. BUSHING, insulated terminal stud	1
1949109	. COIL ASSEMBLY, field (4 coils)	1
1945499	STUD, terminal	1
1945468	. CONNECTOR, terminal to switch	. 1
1945487	. DRIVE ASSEMBLY, starter	1
1945514	. FRAME, commutator end	1
38273	BUSHING, (C. E.)	1
103893	PLUG, end (C. E.)	1
125947	PLUG, pipe (C. E.)	1
1917241	WICK, (C. E.)	1
1945476	. GASKET, between lever housing and drive housi	ng l
1945477	. GASKET, cover plate	2
15469	. GASKET, terminal stud	1
1916320	. GASKET, plug, lever housing	1
1945475	. GUIDE, plunger rod	1
1/30310	. Collet, pruisor rod	

Per

	37.1.1	er cle -
Part Number	Part Name veni	
Starting Motor (co	ntinued)	
Dialting Willer (Co		
1947262	. HOUSING, lever (for - 1114058)	1
1945510	. HOUSING, lever (for - 1114098)	1
1923484	BUSHING, lever housing	.1
125947	PLUG, pipe lever housing	1
1918047	SEAL, lever housing oil	1
1917241	WICK, lever housing	1
1957847	. HOUSING, drive (for - 1114098)	1
1945506	. HOUSING, drive (for - 1114058)	1
1945509	BUSHING, (D. E.)	1
273913	PLUG, pipe (D. E.) (1/4" dia.)	1
125947	. , PLUG, pipe, (D. E.))11/32" dia.)	1
1909654	WICK, (D. E.)	1
1918687	. INSULATOR, terminal stud (C.E.)	1 1
1945479	. INSULATOR, field coil (C. E.)	1
1945472	. LEVER, shaft	1
1945484	. LEVER, shift (assembly)	1
131098	LOCKWASHER, lever housing and C. E. frame attaching	9
	screw	3 -
1904376	. LOCKWASHER, brush plate assembly attaching screw	8.
121841	. LOCKWASHER, brush lead attaching screw	3
1902494	. LOCKWASHER, terminal stud	1
9412305	. NUT, plunger rod guide adjusting	3
120238	. NUT, terminal stud - (C. E.) (5/16" thick)	. 3
120378	. NUT, terminal stud - (C. E.) (7/16" thick)	2
1916272	. "O" RING, C. E. and lever housing	1
1921805	. "O" RING, shift lever (1/2" dia.)	1
1914373	. "O" RING, shift lever (15/64" dia.)	1
1909531	. "O" RING, terminal stud - (C.E.)	2
1945478	. PLATE, cover	1
1945517	. PLATE ASSEMBLY, brush (less brushes)	8
1861788	BUSHING, washer insulated brush holder screw	4
1909521	HOLDER, brush	8
120217	LOCKWASHER, brush holder screw	1
1874847	. PLATE, brush holder support (Brass)	2
1874851	PLATE, brush holder (for 2 hole ground brush) PLATE, space - brush holder (2 hole for insulated brush)	
1874848	PLATE, space - brush holder (2 hole for insulated brush)	2
1874846	PLATE, insulated brush holder	1
1909523	PLATE, insulated - brush plate	1
1945518	PLATE and STUD, brush	2
446646	SCREW, brush holder (short ground brush)	2
1861787	SCREW, brush holder (long ground brush)	2
1912728	SCREW, brush holder (short insulated brush) SCREW, brush holder (long insulated brush)	2
1861786	SUREW, prush noider (1011g 1115utated 22 22-27)	8
1945521	SPRING, brush	

		Per
Part Number	Part Name	Vehicle
		
Starting Motor	· (continued)	
1945356	. PLUG, lever housing	1
1945480	. PLUNGER ASSEMBLY	1
1942282	RETAINER, spring (13/32" hole)	1
1942256	RETAINER, spring (1-13/64" hole)	1
9415234	. RING, snap "O" ring retainer and lever shaft	2
1930611	. SCREW and LOCKWASHER, switch attaching	4
1867877	. SCREW, lever housing attaching and C. E. frame	9
1945861	. SCREW, (5/16 - 18 x 55/64")	ì
1945473	SCREW, drive housing attaching (5/16-18 x 1-1/2")	5
132760	. SCREW, brush plate assembly attaching	3
121749	. SCREW, brushlead attaching	8
9412358	. SCREW, cover plate	4
1843646	. SCREW, pole shoe	8
1934478	. SHOE, pole	4
1942260	. SPRING, shift lever assembly	1
1945470	. TERMINAL and LEAD, C.E. to solenoid	1
1945474	. WASHER, retainer spring	1
1911644	. WASHER, brake - (between lever housing and motor drive)	1
1936466	. WASHER, space - (between lever housing and armature)	1
310794	. WASHER, brush plate assembly attaching screw (plain)	3
1861791	. WASHER, insulated terminal stud - C. E. (7/8"O. D.)	2
1905014	. WASHER, thrust - (C.E.)	1
811912.	. WASHER, terminal stud (plain)	. 2
1922457	. WASHER, insulated terminal stud	2
Generator		
180128	BOLT, hex head (cad. plated) (3/8 - 16 x 1-1/4")	3
	CAPSCREW, nylok socket (7/16 - 14 x 1" long)	1
2T-417	CAPSCREW, nylok socket (1/2 - 13 x 1" long)	4
GBK-10708	COVER, alternator air supply hole	1
14P-1031	. GROMMET, (cover, alternator air supply hole)	1
122427	CAPSCREW	5
127960	ELBOW, street $(1/8" \times 90^{\circ})$	1
GBK-11294	GASKET, engine to adapter	1
GBK-11290	GASKET, generator drive to generator	1
GBK-11289	GASKET, adapter to generator drive	1
GBK-11283	GEAR ASSEMBLY, drive	1
1 T- 5	. BEARING, ball (Use in 11283 assembly)	2
GBK-11284	. BOX, generator drive gear	1
GBK-11288	. GEAR, internal	1
14 T-4 3	. KEY, (use in 11283 assembly)	1
44T-31	. NUT, hex lock (3/4" - 16 NF3)	1
GBK-11287	. RING, snap	1

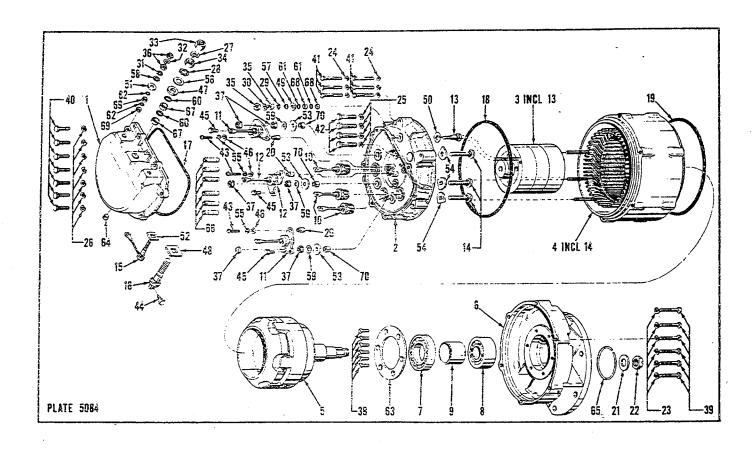


Figure 9

Generator (continued)

GBK-11285	. SHAFT and PINION, generator drive	1
GBK-11286	. SPACER, bearing	1
60T-174	, WASHER, plain	1
GBK-11252	GENERATOR and PINION ASSEMBLY	1
GBK-11280	GENERATOR, (oil cooled)	1
903209	. BALL BEARING, inner (D.E.) (7 - Fig. 9)	1
954533	. BALL BEARING, outer (D.E.) (8 Fig. 9)	. 1
1952195	BUSHING, insulated field terminal and terminal stud	2
1952212	, BUSHING, insulated - stator terminal (1" O.D.)	1
1941063	COVER, diode end (1-Fig. 9)	1
1953025	DIODE and BRACKET ASSEMBLY (12 - Fig. 9)	1
1941058	BRACKET, heat sink (part of 1953025)	1
1953024	. DIODE and BRACKET ASSEMBLY (11 - Fig. 9)	2
1941059	BRACKET, heat sink (part of 1953024)	2
1953023	. DIODE, in frame (10 - Fig. 9)	
1946568	. FIELD ASSEMBLY (3 - Fig. 9)	1
1959519	. FRAME, (D.E.) (6-Fig. 9)	1

	ELECTRICAL	T)
	Part Name	Per Vehicle
Part Number	Part Name	VCIIICIC
Generator (cor	ntinued)	
1946558	FRAME, diode end (2-Fig. 9)	1
121637	LOCKWASHER, (spring type) (23-24-26-30-32 Fig. 9)	22
138484	LOCKWASHER, terminal, field and relay (external	
	tooth) (29-31 Fig. 9)	3
135629	LOCKWASHER, terminal (D. C.) (external tooth)(28 Fig.9)	
1902494	LOCKWASHER, terminal (D. C.) (spring type) (27-Fig. 9)	1
120217	LOCKWASHER, diode support bracket nut	4
120381	LOCKWASHER, field attaching screw (25-Fig. 9)	4
120614	NUT, diode support bracket attaching	4
1945422	NUT, (and lockwasher) terminal stator (37 - Fig. 9)	6
120367	NUT, terminal field and relay (35-36 Fig. 9)	6 1
422967	NUT, terminal, (D. C.) (5/16" thick) (34-Fig. 9)	1
114548	NUT, terminal, (D. C.) (7/16" thick) (33-Fig. 9)	1
1941001	NUT, shaft (22 - Fig. 9)	5
1941041	"O" RING, relay and field terminal (61-62 - Fig. 9) "O" RING, (D. C. terminal) (60-Fig. 9)	2
1941043 1941057	"O" RING, (b. c. terminal) (60-Fig. 7) "O" RING, (stator & D. E.) (18-19-Fig. 9)	· 2
1942423	"O" RING, (stator & D. E.) (10-19-11g. //	1
1941060	PLATE, retainer (bearing D. E.) (63-Fig. 9)	1
1137175	PLUG, pipe (diode end cover) (64-Fig. 9)	1
1941052	RING, retaining (bearing D. E.) (rubber) (65-Fig. 9)	1
1941002	. ROTOR ASSEMBLY (5-Fig. 9)	1
120585	SCREW, (bearing retainer plate attaching) (38-Fig. 9)	. 6
121954	SCREW, (D. E. frame attaching) (39-41 Fig. 9)	12
1905877	SCREW, (diode end cover attaching) (40-Fig. 9)	7
100030	SCREW, field attaching (42-Fig. 9)	4
423337	SCREW and LOCKWASHER, (diode lead attaching to D. C.	
	terminal) (44-Fig. 9)	1
423336	SCREW and LOCKWASHER, (diode lead attaching to suppo	
	plate) (45-Fig. 9)	3 2
1941055	SLEEVE, insulated (D. C. terminal) (67-Fig. 9)	
1941039	SLEEVE, insulated (relay and field terminal) (68-69-Fig. 9	1
1941056	SPACER (9-Fig. 9)	3
1952193	SPACER, bracket (20-Fig. 9) STATOR ASSEMBLY (4-Fig. 9)	1
1941018 1941016	STATOR ASSEMBLT (4-Fig. 7) STUD, terminal (field) (13-Fig. 9)	2
1941016	STUD, terminal (stator) (14-Fig. 9)	3
1942421	STUD, terminal (relay) (15-Fig. 9)	3
1941054	STUD, terminal (D. C.) (16-Fig. 9)	1
1952197	WASHER, insulated (stator terminal) (square hole) (54-Fig	g.9) 3
1941044	WASHER, insulated (field and relay terminal) (3/4" O. D.)	
•	(49-51 Fig. 9)	3
1053104	WASHED in coloted (D.C. terminal) (1-23/64!! square)	

. . WASHER, insulated (D. C. terminal) (1-23/64" square)

(48-Fig. 9)

1

1952196

Per

Part Number	Part Name	Vehicle	
Generator (continued)			
1907474	WASHER, insulated (D. C. terminal) (15-16" O. D.) (47-Fig. 9)	1	
1905125	WASHER, plain (field and relay terminal) 57-58-Fig. 9)	3	
30205	WASHER, plain (D. C. terminal) (56-Fig. 9)	1	
1940999	WASHER, plain (diode support bracket attaching screw) (55-Fig. 9)	3	
1941000	WASHER, plain (stator terminal) (59-Fig. 9)	3	
1942422	WASHER, shaft (21-Fig. 9)	1	
GBK-11253	. PINION, generator	1	
GBK-10621	HOSE ASSEMBLY, generator drain	1	
120384	LOCKWASHER	11	
120378	NUT	6	
124934	NUT, jam $(1/2" - 20)$	1	
456174	PIN, cotter (1/8" x 1 cad. plated - for gen. & pinion assy.)	1	
GBK-11292	PLATE, adapter	1	
444572	PLUG, pipe (1/8" brass square head)	1	
GBK-11293	SCREW, adjusting	3	
GBK-11251	SHIM, generator drive (.002)	1	
GBK-11254	SHIM, generator drive (.005)	1	
GBK-11255	SHIM, generator drive (.010)	1	
111635	STUD, bolt	6	
GBK-11210	SUPPORT ASSEMBLY, (adjusting generator) (Used on cradle 1-2-36-37 and 151 and up)	es 1	
GBK-11212	. BALL JOINT and SADDLE ASSEMBLY	1	
124934	. NUT, ball joint jam	1	
GBK-11211	. SUPPORT BRACKET, generator	1	
GBK-11219	TAG, instruction (Generating support adj.)	1	
Voltage and Current Regulator			
181595	BOLT, hex head (5/16" - 24 x 3/4" cad. plated)	4	
GBK-10565	BRACKET, voltage regulator	1	
120214	LOCKWASHER, (5/16" cad. plated)	4	
120368	NUT, hex (5/16 - 24" cad. plated)	3	
GBK-10551	REGULATOR, (transistor type)	1	
1941480	. BASE (5-Fig. 10)	1	
1949471	BLOCK, terminal (4-Fig. 10)	1	
1941822	. BRACKET, mounting (55-Fig. 10)	1	
1864279	. BUSHING, insulated (56-Fig. 10)	5	
1941485	. COVER, (1-Fig. 10)	l	
1941482	. GASKET, cover (2-Fig. 10)	1	
1942826	. GASKET, terminal block (57-Fig. 10)	1	
1942829	. INSULATOR (2 hole)	1	
1941466	. INSULATOR (transistor)(58-Fig. 10)	1	

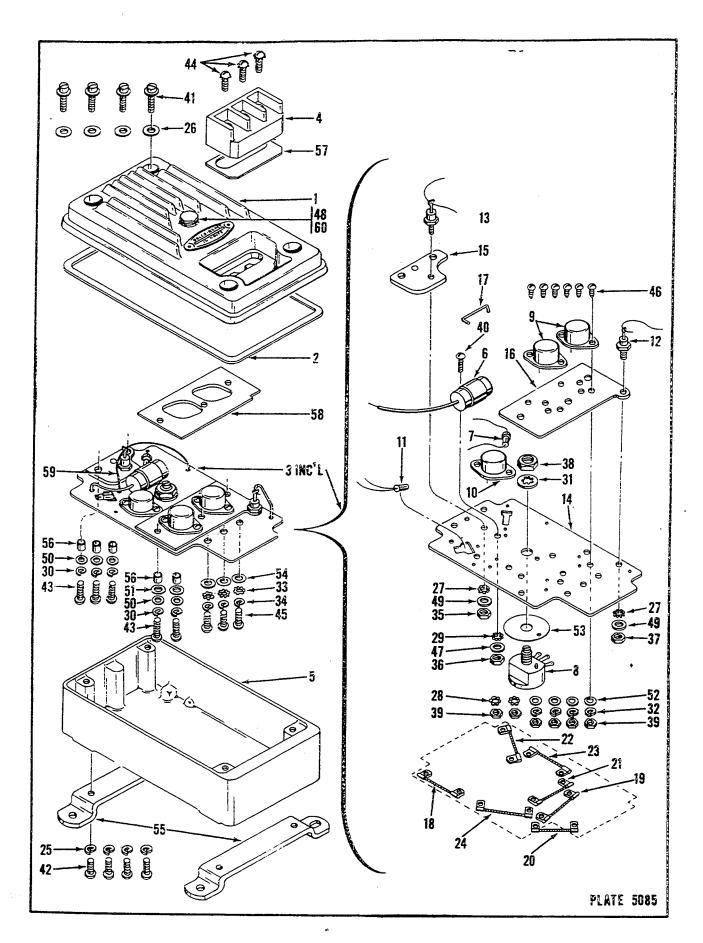


Figure 10

Part Number	Ban News	
Voltage and Cui	rrent Regulator (continued)	
, ozago		1
1941472	LEAD, in panel (59-Fig. 10)	1
453288	LOCKWASHER, (terminal block attaching screw) (Spring	3
	mme \ 134 - \ \forall 161	,
138479	. LOCKWASHER, sterminal block attaching screw) (external	3
	tooth) (27, Fig. 10)	5
121841	LOCKWASHER, (panel attaching screw) (30-Fig. 10)	4
1941483	LOCKWASHER. (cover attaching screw) (26-Fig. 10)	4
120217	LOCKWASHER, (bracket attaching screw) (25-Fig. 10)	1
1941463	PANEL ASSEMBLY, (3 - Fig. 10)	1
1941473	. CAPACITOR, filter (7-Fig. 10)	1
1941391	CAPACITOR, feed back (6-Fig. 10)	1
1941468	CIRCUIT. printed (14-Fig. 10)	1
1942831	DIODE, back bias (13-Fig. 10)	1
1941474	DIODE, field discharge (12-Fig. 10)	1
1941479	DIODE, zener (voltage regulating) (11-Fig. 10)	3
138479	LOCKWASHER, (diode and capacitor) (29-33-Fig. 10)	2
455714	LOCKWASHER, (driver transistor attaching screw) (28-Fig. 10)	4
453289	LOCKWASHER (power transistor attaching screw) (32-Fig. 10)	1
138545	LOCKWASHER (potentiometer attaching nut) (31-Fig. 10)	2
453284	NUT (back bias diode and capacitor attaching) (35-36 - Fig. 10)	1
1949160	NUT (field discharge diode attaching) (37-Fig. 10)	1
1949161	NUT (potentiometer attaching) (38-Fig. 10)	6
9415565	NUT (transistor attaching screw) (39-Fig. 10)	1
1941467	PLATE, transister (16-Fig. 10)	1
1942830	PLATE, diode (15-Fig. 10)	1
	POTENTIOMETER (8~Fig. 10)	2
1910179	RESISTOR (18-21-Fig. 10)	1
1912745	RESISTOR (20-Fig. 10)	2
1911515	RESISTOR (19-24-Fig. 10)	1
1910174	RESISTOR (22-Fig. 10)	1
1910183	. RESISTOR (23-Fig. 10) . RESISTOR, feed back (17-Fig. 10)	1
1941471 446653	SCREW, (capacitor attaching) (40-Fig. 10)	1
453986	SCREW, (transistor attaching) (46-Fig. 10)	6
1941464	TRANSISTOR, driver (10-Fig. 10)	1
1941404	TRANSISTOR, power (9-Fig. 10)	2
1941475	WASHER, (insulated potentiometer) (53-Fig. 10)	1
1903777	WASHER, plain (transistor attaching) (52-Fig. 10)	4
1905762	WASHER, plain (diede and capacitor attaching nut)	
1703102	(47-49-Fig. 10)	3
1925919	PLUG (adjustment cover) (60-Fig. 10)	1
1941484	SCREW (cover attaching) (41-Fig. 10)	4
132908	. SCREW (mounting bracket attaching) (42-Fig. 10)	4
454155	. SCREW (panel attaching) (43-Fig. 10)	5

Part Number	Part Name V	Per ehicle
Voltage and Cu	errent Regulator (continued)	
455713 191245	. SCREW (terminal block attaching) (45-Fig. 10) . SCREW and LOCKWASHER (Terminal) (#10-32 x 3/8) (44-Fig. 10)	3
1933324 1905762 1949157 1949162	 WASHER, insulated (panel attaching screw) (51-Fig. 10) WASHER, plain (terminal block attaching screw) (54-Fig. 10) WASHER, plain (panel attaching screw) (50-Fig. 10) WASHER, plain (cover plug) (48-Fig. 10) 	2 3 5 1
Instruments		
128140 GBK-10566	BUSHING, reducer (3/4" x 1/2") GAUGE UNIT, engine thermo	1
Speedometer		
GBK-9255 180120 181567	ADAPTER (speedometer drive) BOLT, hex head cad. plated (3/8 - 16 x 3/4") BOLT, hex head (1/4 - 28 x 7/8")	1 2 2
GBK-9265 GBK-9253 925301	BRACKET ASSEMBLY (speedometer adapter support) DRIVE UNIT, speedometer . BALL BEARING	1 1 1
925302 925303 925304 925305	 BRUSH, rotor BRUSH and BRUSH HOLDER ASSEMBLY BRUSH and TERMINAL ASSEMBLY (cover, positive termina BRUSH and TERMINAL ASSEMBLY, (housing, ground termina 	. 1
925306 925307 925308	COVER, housing GASKET, (brush holder and cover) GASKET, (housing and plug)	1 1 1
925309 925310 925311	. GASKET, (housing and ground terminal) . GASKET, (resistor ring) . HOUSING	1 1 1
925312 925313 925314	LINER, insulatorLOCKWASHER (housing and cover screw)LOCKWASHER (housing and terminal)	1 1 1
925315 925316 925318	 NUT (housing and ground terminal) RING and PLUG ASSEMBLY, resistor INSULATOR, ring 	1 1 1
925319 925317 925320 925321	PLUG ASSEMBLY RESISTOR ASSEMBLY SLEEVE, insulating . SCREW (brush and rotor connection)	1 1 1
925321 925322 925323 925324	. SCREW (brush and rotor connection) . SCREW (housing and cover) . SCREW-SET (housing and plug) . SCREW-SET (brush holder)	1 1 1

	ELECTRICAL	Ð
Part Number	Part Name	Per Vehicle
Speedometer (continued)	
925325 .	SEAL-OIL, rotor shaft	1
925326	SHAFT and ROTOR ASSEMBLY	1
925327	. SPRING, rotor brush	1
925328	. WASHER (brush and rotor screw) (Brass)	1
925329	WASHER (bearing dust) (Brass)	1
925330	. WASHER (bearing dust) (wool felt)	1
925331	. WASHER (housing and terminal) (fibre)	1
925332	WASHER (cover and oil seal)	1
GBK-9261	EXTENSION, core tip (Speedometer drive)	1
120380	LOCKWASHER (1/4")	2
120382	LOCKWASHER (3/8")	2
120367	NUT, hex $(1/4-28)$	2
GBK-9256	SHAFT ASSEMBLY, flexible	1
GBK-9260	SLEEVE EXTENSION -	1
Solenoid		
GBK-11317	BRACKET ASSEMBLY, solenoid valve	1
GBK-9175	BRACKET ASSEMBLY, reverse shift	1
GBK-9176	BRACKET	1.
GBK-9185	, BUSHING	2
GBK-9183	. FORK, reverse shift	1
GBK-9182	. LEVER	1
454565	, PIN, spring	. 2
GBK-9181	. SHAFT (reverse solenoid and control rod lever)	1
GBK-9196	ROD (transmission shift connecting) (36-3/4" long)	1
GBK-9195	ROD (transmission shift connecting) (34-5/8" long)	1
GBK-9172	ROD, extension connecting	2
GBK-11262	SOLENOID (air intake horn)	1
816863	. BUSHING, insulating (terminal screw)	1
1908010	. CASE and COIL	1
1908019	COVER	1
1904966	GASKET, cover	1
131182	LOCKWASHER (cover attaching screw)	1
1904615	LOCKWASHER (terminal screw) (No. 8)	1
120622	NUT, terminal (8-32)	1
1908015	PLUNGER	1
1908022	SCREW (cover attaching)	<u>1</u> 1
822205	SCREW, terminal	1
1908021	SPRING, plunger return	1
1838591	WASHER, insulating (terminal screw - inside)	1
826319 813731	WASHER, plain (terminal screw - inside)	1
GBK-10559	WASHER, plain (terminal screw - outside)	1
GD17-10003	SOLENOID, reverse (transmission)	*

	ELECT RICAL	. D
Part Number	Part Name	Per Vehicle
Solenoid (cont	inued)	
1847234	. BOOT, plunger	1
1850890	. BRACKET ASSEMBLY (terminal)	1
1850891	. BRACKET, (terminal)	. 1
1857307	. CASE and COIL	1
1847233	. CLAMP, boot	1
1847418	. CLIP, terminal	1
1857304	. CONTACT and SUPPORT	1
1850892	. COVER	1
1877519	. GASKET	1
1877518	. GASKET	1
1857308	. INSULATOR, contact	1
1905466	. INSULATOR, terminal	1
1871630	. LINK and SCREW ASSEMBLY	1
121841	. LOCKWASHER	3
1874495	. LOCKWASHER (terminal stud)	1
109723	. NUT (boot clamp screw)	1
134551	. NUT, terminal	1
1847232	. PLUNGER	1
1857306	. ROD, push	1
900465	. SCREW (boot clamp)	1
_21749	. SCREW (cover attaching)	1
132760	. SCREW (contact attaching)	1
121832	. SCREW (terminal bracket attaching)	. 1
GBK-10569	. YOKE, reverse solenoid	1
GBK-10568	YOKE ASSEMBLY	1
2T-425	. BOLT, hex head $(5/16)$ -18 x 1-3/4 cad. plated)	1
120376	. NUT, hex $(5/16)$ - 18 cad. plated)	1
1857300	. SPRING, contact	1
1847243	. STUD, terminal	ì
1837223	. WASHER, insulating (bushing) (contact attaching screw)	1
1905124	. WASHER, insulating (bushing) (terminal stud)	1
1860389	. WASHER, insulating (contact attaching screw)	1
813731	. WASHER, plain (contact attaching screw)	1
834560	. WASHER, plain (terminal stud)	1
810085	. WASHER, (space adjusting screw)	1
1872459	. WASHER, (terminal stud)	1
131095	LOCKWASHER (#8)	4
132760	SCREW, round head machine ('#8-32 x 1/2")	4
161633	SCREW, cross recess R.H. tapping (#8 x 3/4")	2
1119879	SOLENOID ASSEMBLY (starting motor)	1
1942969	BUSHING, insulating (terminal stud)	2
1945924	. CASE ASSEMBLY (starting motor solenoid)	1 2
378503	. CLIP, terminal	2 1
1954861	. CONTACT ASSEMBLY (on push rod)	1

	ELECTRICAL	
Part Number	Per Part Name Vehicle	:
		•
Solenoid (conti	inued)	
1906053	. GASKET, (terminal plate to case)	
1944836	. INSULATOR (terminal stud)	
1945161	. NUT (attaching terminal plate to case) 4	
	NUT (terminal stud) (outer)	
	NUT (terminal stud) (inner)	
1946002	. PLATE ASSEMBLY, terminal (starting motor solenoid)	
1945409	. PLATE, terminal (less terminals)	
1930611	. SCREW ASSEMBLY, (starting motor solenoid)(1/4 - 20") 4	
1888940	SCREW (terminal solenoid) (#10-32 \times 5/16)	
•	. SCREW, attaching (coil head) (#6-32 x 3/16" round slotted head) 1	
1945402	. SPRING, contact (on push rod)	
1909829	STRAP, ground (solenoid)	
1855488	. STRIP, insulation (terminal stud)	
1946004	. STUD, terminal (battery)	
1946003	STUD, terminal (motor)	
1906051	. SUPPORT (terminal plate)	
1904998	. WASHER (terminal stud) (plain)	
64T-39	TEE, brass	
64T-86	TEE, street	
Switches		
GBK-9113	SWITCH, reverse shift	
Fuses, Junctic	on Panels, Buzzer and Relay	
GBK-10558	RELAY, field	
1911461	. ARMATURE	
1911459	. CONTACT and SUPPORT	
1850468	. COVER	
GBK-10560	RELAY, (Engine cutout)	
GBK-10557	RELAY (generator control)	
1868137	. CLIP (terminal screw lock)	
1865603	. COVER	
1871636	. GASKET, cover	
1865614	. SCREW, cover	
1904640	. WASHER, insulating (cover screw)	
1904641	. WASHER, plain (cover screw)	
GBK-12000	RECTIFIER ASSY., STARTER & GENERATOR RELAY	
GBK-12003	. BLOCK, junction 1	
GBK-10594	BRACKET, rectifier 4	
GBK-12001	. LEAD, electrical 4	
120217	LOCKWASHER (#10)	
138479	. LOCKWASHER, shakeproof (#10)	

		Per
Part Number	Part Name	Vehicle
ruses, Junctio	on Panels, Buzzer and Relay (continued)	
120614	. NUT	1
GBK-10562		1
	RESISTOR (field)	1
132908	. SCREW, machine R.H. (#10 - 32 x 1/2")	1
132947	. SCREW, machine R.H. (#10 - 32 x 2-1/2")	1
131015	. WASHER, flat (#10)	1
Wiring		
GBK-10580	DI OCI (bettern sehle sleven)	2
	BLOCK (battery cable clamp)	1
GBK-10572A	CABLE (battery to electric master switch)	1
GBK-10576A	CABLE (battery positive to ground junction post)	1
GBK-10578	CABLE (main battery junction to engine control panel)	1
GBK-10574A	CABLE (main junction post to starter motor)	9
5T-90	CLIP, wire (battery cable)	1
GBK-10573	CABLE (master switch to main battery junction)	1
GBK-10577A	CABLE (main battery junction post to generator)	11
5T-70	. CLIP, wire (starter cable)	
GBK-10575A	CABLE (starting motor to ground junction post)	1
5T-83	CLIP, wire	14
5T-4	CLIP, wire harness (harness to transmission top cover)	1
T-5	CLIP, wire harness (harness to bellhousing)	1
5T-39 .	CLIP, wire harness (harness to anchor plate)	1
5 T- 84	CLIP, wire harness (harness to alternator L.S. & R.S.	
	rocker arm)	3
5T-91	CL/IP	3
14P-1031	GROMMET (1/2" hole - 1/16" groove) (Voltage regulator harne	
19B-14567-A1	GROMMET (1-1/2" hole - 1/8" groove) (Main wiring harness)	1
GBK-10555A .	HARNESS (air conditioning and oil gauge)	. 1
5T-82	. CLIP, wire (harness)	13
GBK-10599	HARNESS (control junction box to amphenol plug) (long)	1
GBK-10556	HARNESS (engine)	1
GBK-10553A	HARNESS (engine control junction panel)	1
5T - 86	. CLIP, wire (harness)	9
GBK-10570	HARNESS (rear door lighting)	. 2
GBK-10597	JUNCTION (battery to switch)	1
GBK-10598	JUNCTION (battery to ground)	1
GBK-10592	LEAD, electrical (speedometer sending unit to ground)	1
GBK-10581	LEAD, electrical (ground to reverse solenoid relay)	2
GBK-10582	LEAD, electrical (post #33 to field relay)	1
GBK-10583	LEAD, electrical (rear run switch to post #4)	1
GBK-10584	LEAD, electrical (starter switch to starter generator relay)	1
GBK-10585	LEAD, electrical (post #4 to reverse relay)	1
BK-10586	LEAD, electrical (post #6 to starter generator relay)	1
GBK-10587	LEAD, electrical (post #29 to field relay)	1

Part Number	Part Name	Per Vehicle
Wiring (contin	nued)	
GBK-10588	LEAD, electrical (battery junction to starter generator	1
amer 10500	relay)	1
GBK-10589	LEAD, electrical (battery junction to field relay)	2
GBK-10590	LEAD, electrical (post #4 to reverse solenoid relay)	1
GBK-10591	LEAD, electrical (emergency stop solenoid to ground)	1
GBK-10567	WIRE, destination for plugs #1 & #2	1
Wire Connecto	ors	
180120	BOLT, hex head (cad. plated) (3/8 - 16 x 3/4" long)	1
180143	BOLT, hex head (cad. plated) $(7/16 - 14 \times 3/4" \text{ long})$	1
GBK-11321	BRACKET (engine amphenol plugs)	1
120382	LOCKWASHER, (3/8" med. cad. plated)	l
120383	LOCKWASHER. (7/16" med. cad. plated)	1

ENGINE

	•	Per
Part Number	Part Name V	<u>/ehicle</u>
Crankcase Ver	ntilator, Oil Filler and Breather	
GBK-9106	CAP and CHAIN ASSEMBLY, oil filler tube	1
83T-24	CLAMP, engine breather tube	1
GBK-9666	PLATE ASSY., instruction (crankcase)	1
449905	SCREW, $(6-32 \times 1/2")$	1
GBK-11259	TUBE, engine crankcase breather	1
Engine Mountin	ng	-
181566	BOLT, hex. head (1/4" - 28 x 3/4" cad. plated)	1
181693	BOLT, hex head $(3/8" - 24 \times 3/4" \text{ cad. plated})$	2
180122	BOLT, $(3/8'' - 16 \times 1'')$	2
191249	BOLT, $(3/8'' - 16 \times 3 - 3/4'')$	2
180145	BOLT, hex. head (7/16" - 14 x 1" cad. plated for ground	
	strap)	1
181666	BOLT, (7/16" -20 x 1" for ground strap)	1
180194	BOLT, $(1/2'' - 13 \times 4 - 1/2'')$	4
181698	BOLT, $(1/2'' - 20 \times 1 - 1/4'')$	4
271724	BOLT, $(5/8'' - 11 \times 2 - 1/4'')$	8
271744	BOLT, (cad. plated) $(5/8'' - 18 \times 1 - 1/2'')$	4
23836	BOLT, $(3/4)' - 16 \times 4 - 1/2$ '')	2
192406	BOLT, (hex. head) $(3/8'' - 16 \times 5 - 1/4'')$	1
5T-83	CLIP (1/2" dia.) (dip stick tube)	1
5T-89	CLIP (2-1/4" dia.) oil filler tube	. 2
GBK-10250	CRADLE REWORK ASSEMBLY, engine	1
GBK-10280	COVER, muffler (cradle) L.H.	1
GBK-10281	COVER, muffler (cradle) R. H.	1
120380	LOCKWASHER, (1/4")	1
120382	LOCKWASHER, (3/8")	4
120383	LOCKWASHER, (7/16" for ground strap)	2
178576	LOCKWASHER (7/16" internal & external tooth for ground strap	p) 2
120384	LOCKWASHER, (1/2")	8
121574	LOCKWASHER, (5/8")	12
120367	NUT (1/4" - 28)	1
120369	NUT (3/8" - 24)	2
271506	NUT, hex (7/16" - 20 for ground strap)	1
120371	NUT, (cad. plated) (1/2" - 20)	4
121358	NUT, (cad. plated) (5/8" - 18)	4
24T-29	NUT, stop (3/4" - 16) elastic	2
124944	NUT, jam (5/8" - 18)	1
24 T- 33	NUT, stop (3/4" - 16)	2
GBK-10277	PLATE, bottom radiator hose guard	1
lT-246	RIVET (1/4" x 5/8")	19
21T-219	RIVET, universal head (3/16"171203 grip x 5/16")	4
456289	SCREW, self tap (1/4" - 20 x 1/2" Type D)	14
	- · · · · · · · · · · · · · · · · · · ·	

ENGINE

	TiACTIAT	Per
Part Number	Part Name	Vehicle
Engine Mounting	ng (continued)	
2T-414 GBK-9669	SCREW, hex head cap (1"-14) SPACER, oil filler and dip stick tube clamps	2
GBK-12008	STRAP, ground (engine to cradle)	1
GBK-11310	SUPPORT ASSEMBLY, engine front	1
GBK-10300	SUPPORT, engine rear	2
GBK-10402	UNDERPAN, engine R. H.	1
GBK-10403	UNDERPAN, engine L. H.	1
60T-173	WASHER, plain (25/32")	2
120388	WASHER, plain (7/16" cad. plated for ground strap)	1
Accessory Dri	<u>ye</u>	
GBK-10150	BELTS, fan drive (sold in matched set)	3
GBK-10200	BELTS, freon compressor drive (sold in matched set)	4
Oil Lines		
5T-83	CLAMP, oil line hose	3
GBK-10620	HOSE ASSEMBLY, engine block to oil gauge manifold	1
GBK-10606	HOSE ASSEMBLY, tee at block to oil cooled generator	1
Accelerator and	d Rods	
181004	BOLT, hex head (5/16" - 24 x 1-1/8")	. 1
GBK-10650	BRACKET ASSEMBLY, accelerator	1
GBK-10658	. BRACKET and BUSHING ASSEMBLY	1
GBK-10655	BEARING, sleeve	2
271285	FITTING, lubrication (Type "CC")	2
GBK-10657	LEVER, cross shaft (1/4" rod hole)	1
GBK-10656 GBK-10651	. LEVER, cross shaft (3/8" rod hole) . SHAFT, cross	ì
GBK-10671	CABLE ASSEMBLY, accelerator (bulkhead to engine)	ī
181637	BOLT, hex head (3/8" - 24 x 1" cad. plated)	2
GBK-10670	. BRACKET, accelerator cable	. 1
GBK-10669	. CABLE, accelerator	1
144243	. CLEVIS, (3/8" - 24 x 2-1/2")	1
120382	. LOCKWASHER (3/8" med. cad. plated)	2
124925	. NUT, jam (3/8" - 24)	1
120369	. NUT, hex (3/8" - 24 cad. plated)	. 2
138078	. PIN. clevis (3/8")	1
137159	. PIN, cotter (3/32" x 5/8")	1 2
455862	PIN, spring (1/8" x 7/8" plain)	4

ENGINE

	Ditalit	
Part Number	Part Name	Per Vehicle
Throttle Contr	rol	
120214 114783 112726 GBK-10660 GBK-10664	LOCKWASHER (5/16") PIN, clevis (1/4") PIN, cotter (1/16" x 1/2") ROD ASSEMBLY, safety throttle . BALL JOINT	1 1 1 1
GBK-10668 192071 120367 120368 GBK-10661 GBK-10666 GBK-10665 104036	. CAP, 3/8" Pipe (drilled 1/4") . NIPPLE, pipe (3/8" x 3") . NUT, hex (1/4" -28) . NUT, hex (5/16" - 24) . ROD and CAP ASSEMBLY . ROD and WASHER ASSEMBLY . SPRING, coil . YOKE, (1/4")	1 1 1 1 1 1 1
Engine Stabiliz	zer	
GBK-9602 180126 137214 7BK-10264 JBK-55100 GBK-10115 GBK-10267 131099 120369 GBK-10266-A 76T-198 120394 GBK-10265	*RADIATOR LATCHand ENGINE STABILIZER CAPSCREW, (3/8" - 16 x 1-1/2") COTTER, (1/8" x 1-3/4") END ASSEMBLY, engine stabilizer KIT, engine stabilizer - anchor plate DOWEL GASKET LOCKWASHER, (3/8") NUT, 3/8" - 24 PLATE, anchor STUD WASHER, plain (13/32" I.D.) TUBE, engine stabilizer	1 4 2 2 1 2 1 6 2 1 2 2

^{* -} Duplicate listing for purpose of clarity.

FUEL

	FUEL	
		Per
Part Number	Part Name	<u>Vehicle</u>
Fuel Lines		
	·	
214003	BOLT, hex head $(1/4" - 20 \times 1")$	2
GBK-11341	BRACKET, fuel lines	2
119928	BUSHING, reducer (3/8 P x 1/4 P) (fuel return to bulkhead)	1
5T-83	CLAMP, fuel line hose	4
5T-84	CLAMP, fuel suction line hose	4
57T-2	CONNECTOR, (1/8" N. P. T 1/4" tube inverted male)	1
63T-59	CONNECTOR, bulkhead 3/8"	1
A50-2631	CONNECTOR, bulkhead 1/4"	1
57T-39	CONNECTOR, male (1/4 " P. T. x 1/2" T)	1
GBK-10510	HOSE ASSEMBLY, tee at right block to bulkhead connector	1
GBK-10510	HOSE ASSEMBLY, primary filter to bulkhead connector	1
GBK-19612	HOSE ASSEMBLY, bulkhead connector to tube on firewall	1
GBK-10612 GBK-10613	HOSE ASSEMBLY, bulkhead connector to full pump	1
120380	LOCKWASHER (1/4")	2
65T~8	NIPPLE, close (1/4" brass)	1
120375	NUT, hex $(1/4^{11}-20)$	2
58T-40	NUT, inverted flared tube (1/2")	1
64T-86	TEE, street (1/4" brass)	3
54±~60	IDE, Sireer (1) 4" Diass)	
= . -	<u>.</u>	
Fuel Filter		·
101627	DOTE 5 (6 24 - 14 and minted)	2
181637	BOLT, 3/8 - 24 x 1" cad. plated) BRACKET, fuel filter	1
GBK-9951	DRAUKEI, idel liitei	
D1 Aim T-1	thin Chart Off	
Blower Air inie	et - Air Shut-Off	
111292	BOLT, hex head (3/8" - 16 x 4-1/4")	2
	BOLT, $(3/8)^{\circ} = 16 \times 6^{\circ} \log)$	2
	BOLT, $(3/8)^{2} = 16 \times 6^{2} \cdot 101g$ BOLT, $(3/8)^{2} = 16 \times 8 - 1/2$ long)	2
2T-422		1
GBK-11267	CATCH, air horn flap CLAMP, air intake elbow	2
GBK-11273		1
GBK-11272		1
GBK-11263		1
GBK-11265	. GASKET, air horn flap HANDLE, air horn	1.
GBK-11271		1
GBK-11261	HORN, engine air	4
120380	LOCKWASHER, 1/4" LOCKWASHER, air horn mounting (3/8" cad. plated)	6
120382	NUT, 1/4" - 28	1
120367		2
GBK-11270	PIN, spring $(1/8 \times 1-3/4")$	1
455973 9411579	Pilk, spring (1/8 x 1-3/4-) PIN, spring (air horn) $(1/8 \times 7/8)$	
143933	PLUG, pipe 1/4"	2
GBK-11268	<u> </u>	1
CD77=11700		

FUEL

	FUEL	_
Part Number	Part Name	Per <u>Vehicle</u>
Blower Air Inl	et - Air Shut-Off (continued)	
15U-1027 9415796 GBK-11266 GBK-11245 GBK-11269 120394 120396	SCREW, round head w/lockwasher (#8 - 32 x 1/2") SCREW, machine (1/4 - 20 x 5/8") SHAFT, air horn SPACER (3/4" O. D. x . 437 I. D. x 2-3/8" long) SPRING, air horn WASHER, air horn mounting (3/8" cad. plated) WASHER, plain (17/32")	4 4 1 1 1 6 2
Fuel Injector		
GBK-11308	CYLINDER, engine stop and fast idle safety air	1
Exhaust		
GBK-10458 180122 GBK-10453 GBK-10451 126009 71501 GBK-10502 GBK-10501 R3-1458 120396	ANGLE (muffler & exhaust pipe clamp) BOLT (3/8" - 16 x 1") HANGER ASSEMBLY MUFFLER ASSEMBLY NUT (3/8" - 16) NUT, (7/16"-14) PIPE, exhaust LH PIPE, exhaust RH SPRING WASHER (17/32")	4 2 2 2 2 8 1 1 8 16
Air Cleaner		
GBK-10813 GBK-10810 GBK-10806	GASKET, air cleaner outlet OUTLET, air cleaner RISER, air cleaner manifold	1

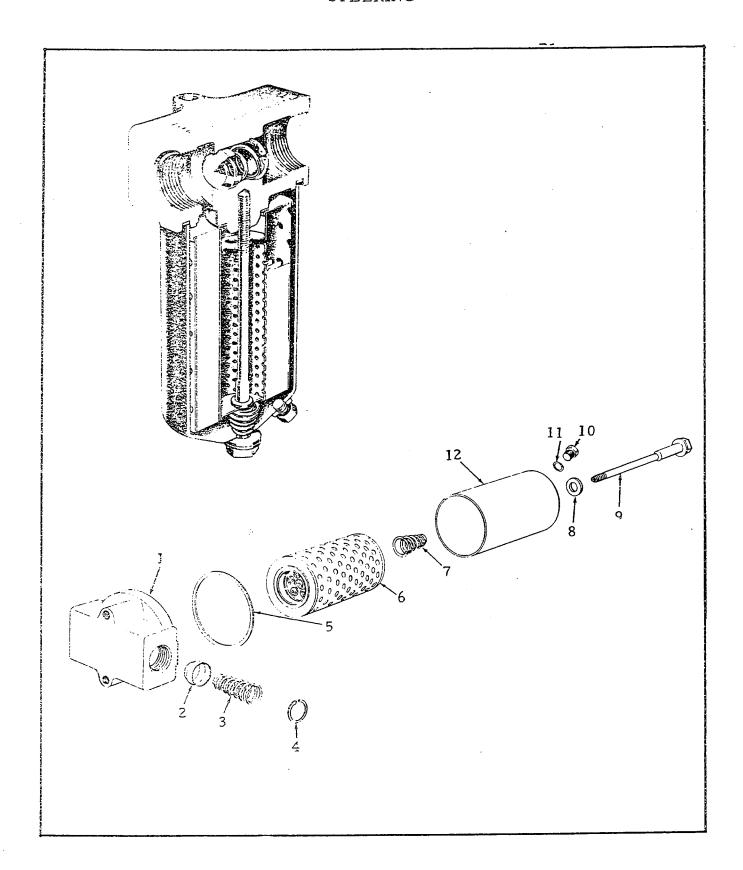


Figure 11

STEERING

	STEERING	_
4 77 1	The set No.	Per Vehicle
rt Number	Part Name	Venicie
Power Steering	g Hydraulic Fluid Pump	
GBK-11403	BELT	2
181639	BOLT $(3/8" - 24 \times 1-1/4")$	2
181707	BOLT $(1/2'' - 20 \times 2 - 1/4'')$	4
180122	BOLT, hex head $(3/8" - 16 \times 1")$ (pump cover plate)	2
189334	BOLT, hex head $(3/8" - 24 \times 4-1/2")$ (pump cover plate)	4
GBK-11325	BRACKET ASSEMBLY, power steering filter	1
144061	BUSHING, reducer $(1'' \times 1/2'' \text{ brass})$	2
GBK-11334	FILTER, power steering	1
1133405	. BASE (power steering filter) (1-Fig. 11)	1
1133401	. BODY, sub assembly (12-Fig. 11)	1
1133408	. BOLT, (9-Fig. 11)	1
GBK-11333	. CARTRIDGE (6-Fig. 11)	1
1133409	. KIT, gasket (service)	1
1133402	GASKET, (NSS) (11-Fig. 11)	1
1133407	GASKET, (NSS) (8-Fig. 11)	1
1133404	RING, seal (NSS) (5-Fig. 11)	1
1133403	. PLUG, (10-Fig. 11)	1
1133410	. POPPET (2-Fig. 11)	1
33412	. RING, snap (4-Fig. 11)	1
_33406	. SPRING (7-Fig. 11)	1
1133411	. SPRING (3-Fig. 11)	1
GBK-10607	HOSE ASSEMBLY, power steering pump (64-1/2")	1
GBK-10602	HOSE ASSEMBLY, power steering pump to Zenith filter	ĺ
GBK-10603	HOSE ASSEMBLY, filter to pump power steering return line	1
GBK-10608	HOSE ASSEMBLY, filter to bulkhead	1
GBK-10609	HOSE ASSEMBLY, filter to power steering pump (45-1/2")	1
GBK-11405	$KEY (1/4" \times 1/4" \times 1-1/2")$	1
120384	LOCKWASHER (1/2")	4
131046	LOCKWASHER (3/4")	2
120382	LOCKWASHER (3/8") (pump cover plate)	6
24T-32	NUT, elastic stop (1/2" - 20)	1
120371	NUT, hex $(1/2" - 20)$	4
426099	NUT, hex $(3/4" - 16)$	2
454565	PIN, roll $(1/4" \times 1-1/4")$	1
GBK-11406	PIN, roll (3/16" x 2")	1
GBK-11404	PLATE, mounting	1
GBK-11402	PULLEY (4" dia.)	1
GBK-11401	PULLEY (9-1/16" dia.)	1
GBK-11300	PUMP, power steering	1
1130022	. BEARING	1
' 30030	. BEARING, outer (N. D W. C. 87504)	1
30039	. BODY	1
1130038	COVER	1
1130009	. DIP STICK and PLUG, sub-assembly	1

STEERING

Per

Part Number	Part Name	Vehicle
Power Steerin	g Hydraulic Fluid Pump (continued)	
1130019	. BAFFLE	. 1
1130013	. GASKET	1
1130017	GASKET, body	2
1130018	. GASKET, cover	1
1130014	GASKET, tank cover	1
1130012	GUIDE, cover bolt	. 1
1130010	NUT, self locking wing (1/4" - 20)	1
1130015	$_{3}$. SCREW, (1/4" - 20 x 3/4")	. 1
1130016	. , SPACER, gasket	2
1130011	WASHER	1
1130025	GASKET, "O" ring	1
1130021	. KEY, 1/8" x 1/2" Woodruff	1
1130040	. KIT, vane	1
1130029	. "O" RING	2
1130035	. PIN, $(3/16" \times 1-3/8")$	2
1130034	. PLATE, pressure	1
1130032	. PLUG, spring retainer	1
1130005	. PLATE and SCREW, sub-assembly	1
1130031	. RING, snap	-
1130028	, RING, snap (Waldes)	1.
1130024	. RING, 4 G. P. M.	1
1130023	. ROTOR	1
1130027	. SCREW $(3/8)'' - 16 \times 3 - 1/4''$ hex head)	. 1
1130026	. SCREW $(3/8)'' - 16 \times 2 - 1/4''$ hex head)	1
1130036	. SEAL, shaft	1
1130037	SHAFT	1
1130033	. SPRING, control valve	1
1130006	. TANK COVER and TUBE SUB-ASSEMBLY	1
1130001	. TANK, sub-assembly	1
1130020	. VALVE, control sub-assembly	1
139325	SCREW, hex socket set $(1/4" - 20 \times 3/8 \text{ cone point})$	1
76T-197	STUD $(3/4" - 10 \times 3/4" - 16)$	2
GBK-11407	SUPPORT, pump (power steering)	1
131017	WASHER, plain (13/16" I. D.)	2
120396	WASHER, plain (17/32" I. D.)	5

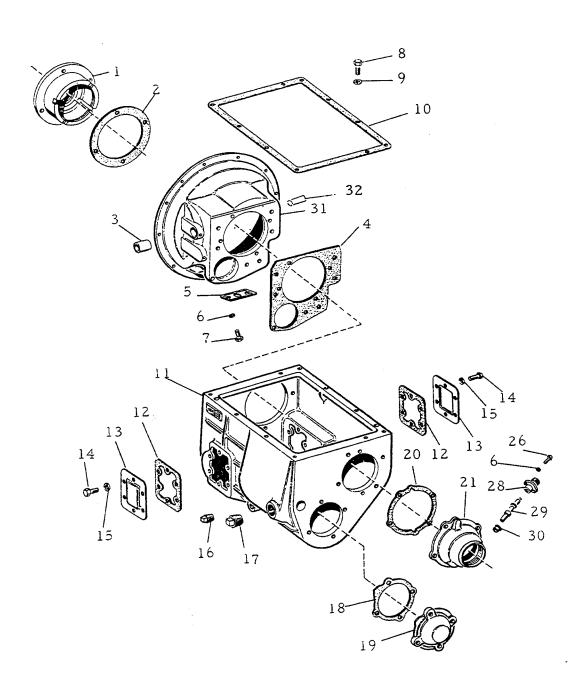


Figure 12

TRANSMISSION

	TRANSMISSION	
		Per
Part Number	Part Name	Vehicle
Transmission	Assembly	
	7/000	1
180021	BOLT, hex head (cad. plated) $(1/4'' - 20 \times 7/8'')$	4
180124	BOLT, hex head (cad. plated) $(3/8" - 16 \times 1-1/4")$	1 2 4
180148	BOLT, $(7/16" - 14 \times 1-3/8" \text{ hex head})$	
120383	LOCKWASHER, (7/16")	24
120380	LOCKWASHER, (cad. plated) (1/4" medium)	4
120382	LOCKWASHER, (cad. plated) (3/8" medium)	1
GBK-9100	TRANSMISSION	1
910074	. BALL, mainshaft 3rd gear sleeve lock (11-Fig. 13)	1
910107	. BEARINGS, mainshaft 1st, 2nd and 3rd gear needle (12-Fig.	13) 426
910029	. BEARING, countershaft rear (41-Fig. 13)	Ţ
910031	. BEARING, countershaft front (34-Fig. 13)	1
910050	. BEARING, drive gear (2-Fig. 13)	1
910049	. BEARING, drive gear pocket (5-Fig. 13)	1
910007	. BEARING, mainshaft rear (24-Fig. 13)	1
91001 0	. BEARING, reverse idler gear (47-Fig. 13)	2
910028	. CAP and SPEEDOMETER, BUSHING ASSEMBLY, mainshaf	
	rear bearing (21-Fig. 12)	1
910051	. CAP, countershaft rear bearing (19-Fig. 12)	1
910099	BUSHING, speedometer (30-Fig. 12)	1
910008	. CAP, mainshaft front bearing (1-Fig. 12)	1
910027	. CASE and PLUG ASSEMBLY, transmission (11-Fig. 12)	1
910061	PLUG, drain (16-Fig. 12)	. 1
910060	PLUG, filler (17-Fig. 12)	1
910097	. COLLAR, mainshaft 3rd and 4th clutch (6-Fig. 13)	1
910128	. COTTER, mainshaft nut (19-Fig. 13)	1
910037	. COUNTERSHAFT ASSEMBLY (39-Fig. 13)	l
910079	. COVER, clutch shifter shaft	1
910076	. COVER, clutch housing hand hole (5-Fig. 12)	1
910085	. COVER, transmission case aperture (13-Fig. 12)	2
910034	. FLANGE ASSEMBLY, companion (27-Fig. 13)	1
910012	. FLANGE, companion	1
910136	. OIL SLINGER	1
910110	. GASKET, clutch housing (4-Fig. 12)	1
910077	. GASKET, clutch shifter shaft cover	1
910084	. GASKET, countershaft rear bearing cap (18-Fig. 12)	1
910083	. GASKET, mainshaft rear bearing cap (20-Fig. 12)	1
910082	. GASKET, mainshaft front bearing cap (2-Fig. 12)	1
910086	. GASKET, transmission case aperture cover (12-Fig. 12)	2
910001	. GEAR, countershaft drive (41T) (36-Fig. 13)	1
910013	GEAR, countershaft 2nd (26T) (38-Fig.13)	1
910014	GEAR, countershaft 3rd (34T) (37-Fig. 13)	1
910011	. GEAR, drive (31T) (3-Fig. 13)	1
910003	. GEAR, mainshaft 1st (44T) (22-Fig. 13)	1
910005	. GEAR, mainshaft 2nd (45T) (16-Fig. 13)	1
•	, , , , , , , , , , , , , , , , , , , ,	

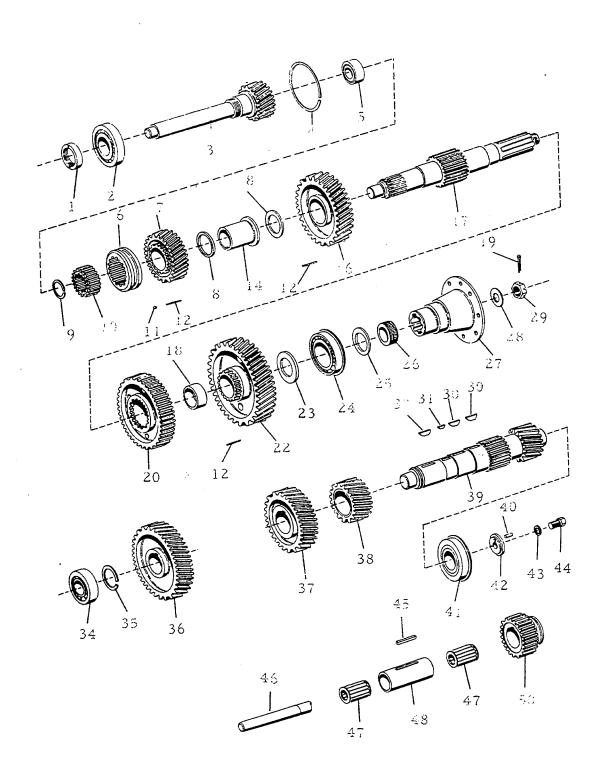


Figure 13

TRANSMISSION

Per

Part Number	Part Name V	Tehicle	: -
Transmission Assembly (continued)			
910006	. GEAR, mainshaft 3rd (37T) (7-Fig. 13)	1	
910008	GEAR, mainshaft 3rd (371) (7-11g. 13) GEAR, mainshaft 3rd and 4th clutch (10-Fig. 13)	1	
910098	GEAR, mainshaft reverse (45T) (20-Fig. 13)	1	
910004	GEAR, mainshall reverse (451) (20-Fig. 13) GEAR, reverse idler (27T) (50-Fig. 13)	1	
	GEAR, speedometer drive (26-Fig. 13)	1	
910015 910016	. GEAR, speedometer drive (20-Fig. 13) . GEAR, speedometer driven (29-Fig. 12)	1	
	. GEAR, speedometer driven (25-Fig. 12) . HOUSING and BUSHING ASSEMBLY, clutch (31-Fig. 12)	1	
910030	. BUSHING, clutch shifter shaft (3-Fig. 12)	2	
910108	. NIPPLE, clutch release bearing oil tube (32-Fig. 12)	1	
910109	. NIPPLE, Clutch release bearing on tube (32-11g. 12) . HOUSING ASSEMBLY, transmission shifter	1	
910035	. BRACKET, 1st and 2nd shift	1	
910088	BRACKET, reverse shift	1	
910087 910040	BREATHER ASSEMBLY	1	
910040	BUSHING, shift finger shaft (short)	1	
		2	,
910053	BUSHING, shift finger shaft (medium)	2	
910052	BUSHING, shift finger shaft (long)	1	
910042	FINGER, reverse shift	2	
910041	. FINGER, remote control shift	1	
910067	FORK, 1st and 2nd shift	1	
910064	FORK, 3rd and 4th shift	1	
910068	FORK, reverse shift CASKET transmission shifter benefits (10 Fig. 12)	1	
910078	GASKET, transmission shifter housing (10-Fig. 12)	1	
910048	. INTERLOCK, (short)	1	
910047 910096	INTERLOCK, (long) OIL SEAL, transmission control rod	3	
910095	PLUNGER, shift rod poppet	3	
910070	ROD, 1st and 2nd shift	1	
910069	ROD, 3rd and 4th shift	1	
910071	ROD, reverse shift	1	L
910075	ROD, reverse shift ROD POPPET, shift	3	
910113	SCREW, shift finger	2	
910127	SCREW, shift fork and shift bracket	5	
910081	SLEEVE, 1st, 2nd and reverse shift rod	1	Ĺ
910080	SLEEVE, 3rd and 4th shift rod	1	Ĺ
910093	SNAP RING, shift finger shaft	1	Ĺ
910073	SPRING, shift finger	1	L
910072	SPRING, shift rod poppet	3	3
910036	. INSERT and BUSHING ASSEMBLY, transmission shifter house	sing l	Ĺ
910054	. BUSHING, shift finger shaft (short)	1	L
910053	BUSHING, shift finger shaft (medium)	2	2
910052	BUSHING, shift finger shaft (long)	2	2
910023	. KEY, clutch shifter yoke	2	
910045	. KEY, countershaft gear (30-Fig. 13)	3	3
910044	. KEY, P. T. O. gear (31-Fig. 13)	1	Ĺ
	<u> </u>		

TRANSMISSION

•	TRANSMISSION	
		Per
Part Number	Part Name	Vehicle
. manamiasian A	No a problem (a metimus d)	
1 Talistinission F	Assembly (continued)	
910043	. KEY, reverse idler gear (45-Fig. 13)	1
910132	. LOCKNUT, drive gear bearing (1-Fig. 13)	i
910115	. LOCKSCREW, countershaft (44-Fig. 13)	1
910025	. LOCKWASHER, clutch shifter yoke screw	2
910104	. LOCKWASHER, countershaft rear bearing cap stud	4
910103	. LOCKWASHER, countershaft lockscrew (43-Fig. 13)	1
910020	. LOCKWASHER, clutch housing hand hole and speedometer	
	cover screw (6-Fig. 12)	4
910106	. LOCKWASHER, shifter housing and case aperture cover	
	screw (15-Fig. 12)	23
910104	. LOCKWASHER, mainshaft rear bearing cap stud	4
910105	. LOCKWASHER, mainshaft front bearing cap stud	4
910089	. MAINSHAFT, transmission (17-Fig. 13)	1
910133	NUT, shift finger stud	1
910131	. NUT, mainshaft (29-Fig. 13)	1
910129	. NUT, countershaft and mainshaft bearing cap stud	8
910130	. NUT, clutch housing stud	7
910111	. PIN, shift finger	1
910135	. PIN, countershaft lockscrew retainer washer (40-Fig. 13)	1
0134	. PIN, interlock	1
. 10126	. PLUG, interlock hole	1
910062	. PLUG, shift rod hole	3
910091	. RING, countershaft drive gear snap (35-Fig. 13)	1
910090	. RING, drive gear bearing snap (4-Fig. 13)	1
910092	. RING, mainshaft 3rd and 4th clutch gear snap (9-Fig. 13)	. 1
910112	. SCREW, clutch shifter shaft cover	2
910024	. SCREW, clutch shifter yoke	2
910019	. SCREW, clutch housing hand hole cover (7-Fig. 12)	2
	. SCREW, speedometer outlet cover (26-Fig. 12)	2
910118	. SCREW, transmission shifter housing (long) (8-Fig. 12)	1
910117	. SCREW, transmission shifter housing (medium) (8-Fig. 12)	2
910116	. SCREW, transmission shifter housing (short) (8-Fig. 12)	7
910114	. SCREW, transmission case aperture cover (14-Fig. 12)	12
910038	. SEAL, mainshaft front	1
910039	. SEAL, mainshaft rear	1
910021	. SHAFT, clutch release	1
910032	. SHAFT and LEVER ASSEMBLY, 3rd and 4th shift finger	1
910046	KEY, shift finger	1
910066	. LEVER, shift	1
910033	. SHAFT and LEVER ASSEMBLY, 1st, 2nd and reverse shift	1
~1004 6	finger KEV shift finger	1
10046 0066	KEY, shift finger	1
910063	LEVER, shift . SHAFT, reverse idler gear (46-Fig. 13)	1
\10003	. STIAT I, Teverse Idler gear (40-rig. 13)	*

TUBING

NUT (3/8" - 16)

NUT (1/2" - 20)

PIN, clevis $(1/2" \times 1-27/64"$ cad. plated)

*SHAFT, transmission and clutch bellcrank upper

SHAFT, transmission bellcrank lower (long)

PIN, cotter $(1/8" \times 7/8"$ cad. plated)

PIN, spring $(1/4" \times 1-1/4")$

120369

124934

138080

456173

454565

GBK-9194

GBK-9195

GBK-9168

2

4

4

2

1

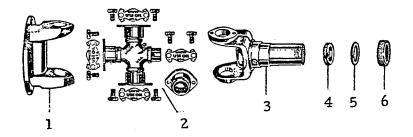
1

1

^{* -} Duplicate listing for purpose of clarity.

PROPELLER SHAFT

Part Numbe	r Part Name	Vehicle
Propeller Sh	naft Assembly	
GBK-9350	SHAFT ASSEMBLY, propeller	1
935015	. BOLT, flange	24
935012	. CAP, dust (6-Fig. 14)	1
935004	. KIT, journal and bearing (2-Fig. 14)	2
935006	. BEARING ASSEMBLY	4
935008	CAPSCREW, bearing	8
935011	GASKET, journal	4
935005	JOURNAL CROSS ASSEMBLY	1
935009	NIPPLE, zerk	1
935010	RETAINER, journal gasket	4
935007	STRAP, lock	4
935016	. LOCKWASHER	24
935017	. NUT	24
935001	. SHAFT SUB-ASSEMBLY (7-Fig. 14)	1
935003	. SLEEVE YOKE ASSEMBLY (3-Fig. 14)	1
935014	. WASHER, cork (4-Fig. 14)	1
935013	. WASHER, steel (5-Fig. 14)	1
935002	. YOKE FLANGE (1-Fig. 14)	2



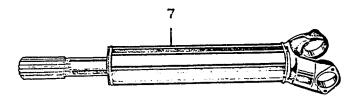


Figure 14

	BODY	
		Per
Part Number	Part Name	Vehicle
Miscellaneous		
GBK-10701	ANGLE, top reinforcement	1
GBK-10702	ANGLE, front reinforcement	1
GBK-10703	ANGLE, side reinforcement	1
GBK-10778	ANGLE, trim (LH side)	1
GBK-10776	ANGLE, trim (between block, head and radiator)	1
GBK-10766	ANGLE, trim, rear cover LH	1
GBK-10761	ANGLE, trim - cover RH rear	1
GBK-10760	ANGLE, trim - electric box	1
181639	BOLT $(3/8'' - 24 \times 1 - 1/4'')$	16
180132	BOLT $(3/8)'' - 16 \times 2 - 1/4''$	8
120369	BOLT, hex head (3/8" - 24 cad. plated)	12
120647	BOLT, hex head - cad. plated $(3/8" - 24 \times 1)$	4
214113	BOLT, hex head - cad. plated (3/8" - 24 x 2-3/4")	4
180083	BOLT, hex head - floor $(5/16'' - 18 \times 1-1/2'')$ cad. plated)	14
181617	BOLT, hex head - floor (5/16" - 1 - 5/8" cad. plated)	14
181610	BOLT, hex head (5/16" - 24 x 1-1/4" cad. plated)	22
180081	BOLT, hex head $(5/16'' - 18 \times 1 - 1/4'')$ cad. plated)	2
181635	BOLT, hex head $(3/8)$ - $24 \times 3/4$ cad. plated)	1
GBK-11063	BRACE and SPACER ASSEMBLY, RH	1
GBK-11064	BRACE and SPACER ASSEMBLY, LH	1
GEK-9654	BRACKET, radiator hose support (upper)	1
162912	. SCREW, RH self tapping (#10 - 16 x 7/8")	4
GBK-11096	BRACKET, stop and tail light mounting	2
GBK-11110	BRACKET, rear door stop LH	1
GBK-11111	BRACKET, rear door stop RH	1
GBK-11094	CLAMP, corner panel	4
16U-1857-2	CLIP, door prop	1
103361	COTTER, $(1/16'' \times 1/2'')$	2
GBK-10774	COVER, aisleway - bottom	1
GBK-10759	COVER, bottom and L. H. side of aisleway	1
GBK-10758	COVER, rear of aisleway	1
GBK-10765	COVER, floor support bracket	1
GBK-10762	COVER, rear RH	1
GBK-10775	COVER, strip (for ceiling panels)	1
GBK-10820	COVER ASSEMBLY, box air cleaner	1
GBK-11201	DOOR, transmission (access)	1
GBK-11001-S	DOOR ASSEMBLY, engine compartment rear	1
GBK-11105	. BAR ASSEMBLY, latch LH engine compartment door	1
GBK-11102	. BAR ASSEMBLY, latch RH engine compartment door	1
GBK-11001	. DOOR ASSEMBLY, engine compartment rear (less latch bar	s) l
GBK-11026	BRACE, panel	2
GBK-11017	DOOR, access	1
GBK-11050	FRAME, engine compartment door	1
GBK-10899	HANDLE, rear compartment door (recessed folding)	1

	e see artiste de la companya della companya de la companya della c	Per
`art Number	Part Name	Vehicle
Miscellaneous	(continued)	
GBK-11019 131183 120614 GBK-11002 GBK-11006 41T-216 41T-218 41T-219 41T-220 9401482 132912	HINGE, access door LOCKWASHER (#10) NUT (10-32) PANEL (28-3/8" x 62" louvered) PANEL (9-9/16" x 44-13/16") RIVET, (3/16" x 7/32") RIVET, (3/16" x 9/32") RIVET, (3/16" x 5/16") RIVET, (3/16" x 11/32") RIVET, (3/16" x 3/8") SCREW, (10 - 32 x 5/8" chrome)	1 8 8 1 1 59 15 21 17 2 8
GBK-10893 GBK-11003 GBK-11014 GBK-11015	 . SPRING, access door . STRIP, lower trim . STRIP, lower center trim . STRIP, end lower trim LH 	1 1 1
GBK-11013 GBK-11005	 . STRIP, end lower trim RH . STRIP, upper trim rear door closure (14 Ga. alum. 3-3/4" x 9/16") 	1
~8K-11006	STRIP, upper trim rear door closure (14 Ga. alum. 9-9/16" x 44-13/16")	1
GBK-11010 GBK-11011 GBK-10850 GBK-10908	STRIP, upper trim (eng. compt.) (3-14 x 41-3/16") STRIP, upper trim (eng. compt.) (3-14 x 13-1/8") DOOR ASSEMBLY, engine radiator (complete) . BASE, side seal	1 1 2
GBK-10909 181566 GBK-10892 GBK-10851	BASE, top and bottom seal BOLT, hex head (1/4" - 28 x 3/4") DOOR, filler FRAME ASSEMBLY, engine radiator	2 11 1
GBK-10900 GBK-10899 GBK-10891 GBK-10894	. FRAME ASSEMBLY, Kysor shutter seal . HANDLE, recessed folding . HINGE, filler door (eng. rad. door) . HINGE, main door	1 1 1
120217 120380 GBK-10853 GBK-10898	. LOCKWASHER, (#10 cad. plated) . LOCKWASHER, (1/4" cad. plated) . LOUVER ASSEMBLY . LOUVER and BRACKET ASSEMBLY	8 47 1 12
120614 120367 GBK-10885	NUT, hex (#10-32 cad. plated) NUT, hex (1/4" - 28 cad. plated) PANEL, bottom	8 46 1
GBK-10883 GK-10880 GK-10884 GBK-10881 112726	PANEL, center forward PANEL, forward top PANEL, rear center PANEL, top rear PIN, cotter (1/16" x 1/2" cad. plated)	1 1 1 2

Per

		Per
Part Number	Part Name	Vehicle
3.61	7. At	
Miscellaneous	(continued)	
41T-216	. RIVET, southco (38-106-03-13)	134
41T-217	RIVET, southco (38-106-04-13)	62
41T-218	. RIVET, southco (38-106-05-13)	18
41T-219	. RIVET, southco (38-106-06-13)	17
41T-221	RIVET, southco (38-106-08-13)	21
41T-230	RIVET, southco (38-106-17-13)	6
41T-237	RIVET, southco (38-106-28-13)	6
9401482	RIVET, universal head (3/16" x 3/8" alum.)	48
GBK-10854	. ROD ASSEMBLY, lower lock	1
GBK-10857	. ROD ASSEMBLY, upper lock	· 1
132901	. SCREW, mach. RH (#10-32 x 3/8" chrome)	7
132931	. SCREW, mach. RH (#10-32 x 1/2" chrome)	1
187865	. SCREW, mach. RH (1/4" - 28 x 1/2" cad. plated)	34
216302	. SCREW, mach. fillister head $(1/4" - 28 \times 5/8"$ cad. plated	1
GBK-10905	. SEAL, side rubber	2
GBK-10906	. SEAL, top and bottom rubber	2
GBK-10893	. SPRING, filler door retaining (eng. rad. door)	1
GBK-10867	. STRIP, filler door trim	l
GBK-10866	. STRIP, forward trim	1
GBK-10863	. STRIP, lower door panel filler	3
GBK-10868	. STRIP, rear trim	1
GBK-10889	. SUPPORT, center (LOUVER assembly)	1
60T-175	. WASHER, plain (1" O. D. x 7/32" I. D. x 1/8")	1
147579	. WASHER, plain (1/4" I. D. x 7/16" O. D. x 1/16")	2
GBK-10777	END, cover (rear supt. ceiling panel)	2
GBK-10267	GASKET, (steering cover plate)	1
GBK-11059	GUIDE ASSEMBLY, latch bar	2
GBK-11024	HINGE ASSEMBLY, engine compartment door	2
GBK-11022	. HINGE, casting (female half)	2
GBK-11021	. HINGE, casting (male half)	2
GBK-11023	. PIN, hinge (stainless steel625 O.D. x 3-5/8" long)	2
273937	. PIN, spring	2
GBK-10780	INSULATION, compartment roof	l ,
GBK-10757	INSULATION, rear compartment roof LH	1
GBK-10915	KEEPER ASSEMBLY, radiator door	l 2
24T-34	LOCKNUT, (#10-24)	2 2
120214	LOCKWASHER (5/16" cad. plated)	41
120382	LOCKWASHER (3/8" cad. plated)	
120214	LOCKWASHER (5/16")	40
120380	LOCKWASHER (1/4")	11 2
120376	NUT, hex (5/16" - 18)	11
120367	NUT (1/4" - 28)	36
120368	NUT, hex (5/16" - 24)	30 8
120377	NUT, (3/8" - 16 cad. plated)	O

	DOD1	_
Part Number	-	Per hicle
Miscellaneous	(continued)	
GBK-11076	PANEL ASSEMBLY, rear corner LH	1
GBK-11075	PANEL ASSEMBLY, rear corner RH	1
GBK-11221	PLATE, transmission bellcrank cover	1
GBK-10801	PLATE, cover (floor) (.067 x 4-3/8" x 19)	1
GBK-10802	PLATE, cover (floor) (.067 x 6-3/4" x 9-1/4)	1
GBK-11156	PROP ASSEMBLY, rear door	1
GBK-10705	RELIEF ASSEMBLY, bulkhead	1
41T-210	RIVET (3/16" x 3/8")	4
41T-296	RIVET	14
104136	RIVET (guide latch)	4
41T-216	RIVET, rear corner panels $(3/16" \times 7/32")$	30
41T-218	RIVET, rear corner panels $(3/16" \times 9/32")$	26
41T-219	RIVET, rear corner panels (3/16" x 5/16")	24
41T-220	RIVET, rear corner panels (3/16" x 11/32")	12
41T-222	RIVET, rear corner panels (3/16" x 13/32")	2
41T-229	RIVET, rear corner panels $(1/4" \times 15/32")$	16
A37-24-381	RIVNUT (3/8" - 24 x 3/8" grip)	4
GBK-11222	RUBBER, cover transmission bellcrank	1
GBK-11225	RUBBER, cover clutch bellcrank	1
75118	SCREW, (#10 - $24 \times 1/2$ '' cad. plated)	2
_01657	SCREW (#10 - 12 x 1" Type "A")	36
152430	SCREW, oval head cross recess wood (#10 x 3/4")	10
162874	SCREW, round head cross recess tapping (Type "B") (#8 - $18 \times 1/2$ " cad.)	169
449949	SCREW, round head cross recess (Type "F" 1/4" - 20 x 3/4")	8
161651	SCREW, round head cross recess (Type "A" #10-12 x 3/4")	16
448116	SCREW, RH self tap (Type "F" $\#8-32 \times 3/4$ ") (For transmission bellcrank cover)	ı 1
149006	SCREW, wood flat head - cross recess (#10 - 13 x 1-3/4")	19
162600	SCREW, tapping (#6 x $1/2$ ")	4
448112	SCREW, RH self tap (type "F" #8-32 x 1/2") (For transmission	_
	bellcrank cover.)	19
GBK-10783	SPACER, electrical box (wood)	2
GBK-11058	SPACER, door latch (9/64" dia. drill)	2
GBK-11065	SPACER, door latch (5/32" dia. drill)	2
GBK-11202	SPACER, lower aisle pan	1
GBK-11087	STRAP, corner panel lower	2
GBK-11086	STRAP, corner panel upper	2
GBK-11226	STRIP, retainer (long) clutch bellcrank cover	1
GBK-11223	STRIP, retainer (long) transmission bellcrank cover	1
GBK-11224	STRIP, retainer (short) transmission bellcrank cover	2
7BK-11227	STRIP, retainer (short) clutch bellcrank cover	2
3K-11092	STRIP, trim RH	1
GBK-11093	STRIP, trim LH	1

Per

Part Number	Part Name	Vehicle
Miscellaneous	(continued)	
GBK-11089	STRIP, trim (corner panel)	2
GBK-11088	STRIP, trim (14 Ga. alum.) (9-9/16" x 16 - 5/16")	2
GBK-10767	SUPPORT, floor	2
GBK-10773	SUPPORT, ceiling panel LH side (front of air cleaner riser)	1
GBK-10772	SUPPORT, ceiling panel RH	1
GBK-10771	SUPPORT, ceiling panel LH side (rear of air cleaner riser)	1
GBK-10764	SUPPORT, Z-bar, rear LH	1
GBK-10763	SUPPORT, Z-bar, rear RH	. 1
120394	WASHER, plain (3/8" cad. plated)	1
120393	WASHER, flat (5/16")	14
GBK-10781	WEBBING, anti-squeak (1/8" x 1" x 36" long)	. 4
GBK-10782	WEBBING, anti-squeak (1/8" x 1" x 13" long)	4
CBK-10779	UZU BAR trim (rear I.H side)	1

Per Part Number Part Name Vehicle

Heater Pipes and Connections

GBK-11387	CLAMP, hose (1-1/16 - 2 stainless steel)	22
144131	ELBOW, brass (I")	1
16P-1221	ELBOW, rubber (1" I. D. x 1-3/8" O. D.)	1
GBK-11386	HOSE, heater line (1" I.D 3 ply x 3-1/2" long)	5
GBK-11385	HOSE, heater line (l' I. D 3 ply x 5" long)	5
GBK-11395	HOSE, heater (3 ply 1" I. D x 19" long)	1
219913	NIPPLE, brass (1" x 2-1/2" long)	1.
GBK-11377	NIPPLE, hose heater line	4
192470	NIPPLE, (close galvanized 3/4")	1
143953	PLUG (square head galvanized 1")	1
162909	SCREW, RH cross recess (Type "B" #10 x 3/4")	6
144114	STREET ELL, brass (1")	2
GBK-11388	SUPPORT, heater tube LH side	1
GBK-11389	. ANGLE, heater tube support (L. H. side of engine)	1
131183	. LOCKWASHER, (#10 cad. plated)	2
120361	. NUT, hex (#10 - 24 cad. plated)	2
GBK-11392	. PLATE, strap support (heater lines RH & LH side of engine)	4
155133	. SCREW, (#10 - 24 x 1" cad. plated)	2
GBK-11391	. WEBBING, strap support (heater lines RH & LH side of engine)	2
.8245	TEE (3/4" x 3/4" x 1" galvanized)	, 1
GBK-11383	TUBE, heater line pump supply (1" O.D. x.058 wall x 39")	1
GBK-11382	TUBE, heater line return (1" O. D. x . 058 wall x 51")	1
GBK-11381	TUBE, heater line return RH (1" O.D. x.058 wall x 69")	. 1
GBK-11380	TUBE, heater line return LH (1" O.D. x.058 wall x 52 - 3/4")	1
GBK-11379	TUBE, heater line supply RH (1" O.D. x.058 wall x 55 - 1/2")	1
GBK-11378	TUBE, heater line supply LH (1" O.D. x.058 wall x 80")	1

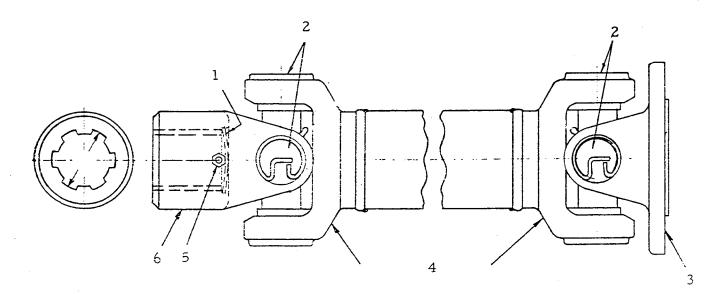


Figure 15

AIR CONDITIONING

	· · · · · · · · · · · · · · · · · · ·	Per
Part Number	Part Name	Vehicl
Air Conditionir	ng Compressor Drive and Shaft	
GBK-10118	ADAPTER PLATE, comp. drive	1
181636	BOLT, hex head $(3/8" - 24 \times 7/8")$	4
2T-420	BOLT, hex socket head lock $(5/16'' - 18 \times 1-1/2'')$	4
120382	LOCKWASHER, 3/8" med.	4
GBK-10117	UNIVERSAL ASSEMBLY, comp. drive	. 1
1011704	. KIT, journal and bearing (2-Fig. 15)	2
1011706	. BEARING ASSEMBLY	4
1011709	. GASKET, journal	4
1011705	JOURNAL CROSS ASSEMBLY	1
935009	. NIPPLE, zerk	1
1011707	. RING, snap	4
1011703	. PLUG, sleeve yoke (1-Fig. 15)	1
1011710	. SHAFT SUB-ASSEMBLY (4-Fig. 15)	1
1011702	YOKE ASSEMBLY, sleeve (6-Fig. 15)	1
1011701	YOKE FLANGE, (for permanent joint) (3-Fig. 15)	1
Compressor Di	rive Mounting and Idler Pulley	
·		-
GBK-10017	BEARING, idler pulley ball (8-9-Fig. 16)	ž
223826	BOLT, hex head $(3/4" - 16 \times 4-1/2")$	2
2T-419	BOLT, idler adjusting	1
GBK-10050	BRACKET ASSEMBLY, pillow block support	. 1

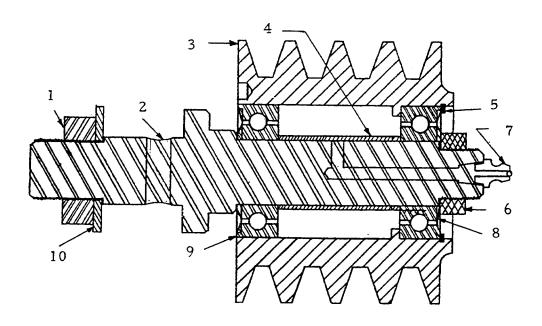


Figure 16

AIR CONDITIONING

Per .

rt Number	Part Name	Vehicle
Compressor Di	rive Mounting and Idler Pulley (continued)	
GBK-10115	DOWEL, comp. pulley support	2
GBK-10116	DOWEL, pillow block to support	2
119512	FITTING, lubrication (7-Fig. 16)	l
120384	LOCKWASHER, (1/2" med.)	4
120371	NUT, hex (1/2" - 20 N. F. cad. plated)	4
272920	NUT, lock (3/4" - 16) (6-Fig. 16)	1
272922	NUT, lock (7/8" - 14) (1-Fig. 16)	1
GBK-10100-A	*PILLOW BLOCK ASSEMBLY, (w/4 groove pulley)	1
GBK-10010-A	. PILLOW BLOCK ASSEMBLY, (w/out pulley)	1
GBK-10003	*. BEARING, pillow block ball (Pulley end)	1
GBK-10016	*. BEARING, pillow block ball (Universal end)	1
GBK-10004	*. BODY, pillow block	1
271284	*. FITTING, lubrication (cad. plated)	1
124553	*. KEY, Woodruff (1/4 x l")	1
GBK-10101	*. PULLEY, freon compressor (13-Fig. 6)	1
GBK-11287	*. RING, retainer	1
GBK-10002-A	*. SHAFT, pillow block (w/4 groove pulley)	1
GBK-10015	* SPACER, pillow block bearing	1
~K-10008	. VENT, air	1
K-10106	PULLEY, idler (3-Fig. 16)	1
GBK-10007	RING, snap (5-Fig. 16)	1
GBK-10105	SHAFT, freon compressor drive idler (2-Fig. 16)	<u>1</u>
GBK-10102	SHIM, pillow block (freon compressor)	As Req.
GBK-10114	SPACER, compressor idler pulley (4-Fig. 16)	1
GBK-10107	SPACER, (.034032)	As Req.
GBK-10108	SPACER, (.016015)	As Req.
76T-195	STUD, $(1/2" - 13 \text{ N. C} \times 1/2" - 20 \text{ N. F. } \times 2-1/4" \text{ long})$	4
60T-172	WASHER, idler shaft (10-Fig. 16)	1

^{* -} See illustration Fig. 3 page 11.

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
57T-2	40	76T-195	22-59	GBK-9009	10
59T-2	8	76T-196	22	GBK-9020	10
16U-1857-2	52	7-6T-197	44	GBK-9021-A	10
5T-4	35	76T-198	39	GBK-9022	10
89T-4	23	41T-210	55	GBK-9023	9
1T-5	25	41T-216	53-54-55	GBK-9024	11
5 T- 5	35	41T-217	54	GBK-9028	10
85T-5	19	41T-218	53-54 - 55	GBK-9029	10
7T-6	10-12	41T-219	37-53-54-55	GBK-9030	10
65T-7	18	41T-220	53-55	GBK-9032	10
65 T- 8	40	41T-221	54	GBK-9034	11
78T-20	19	41T-222	55	GBK-9035-A	10
83T-24	37	41T-230	5 4	GBK-9036	10
24T-29	37	41T-237	54	GBK-9037	10
24T-31	25	41T-246	37	GBK-9038	10
24T-32	17-43	41T-296	55	GBK-9041	9
24T-33	37	41T-299	55	GBK-9042-A	10
24 T- 34	54	A37-24-381	5.5	GBK-9051	14
58T-37	5	2T-414	38	GBK-9053	11
64T-39	8-34	2T-417	25	GBK-9055	14
14T-39	19	2T-418	25	GBK-9059	12
T-39	35	2T-419	21-58	GBK-9060	9
57 T- 39	40	2T-420	58	GBK-9061	12
58T-40	40	2T-421	11	GBK-9062	12
14T-43	25	2T-422	40	GBK-9063	12 .
5T-59	23	2T-423	6	GBK-9064	12
63T - 59	40	2T-424	9	GBK-9065	12
5T-70	35	2T-425	33	GBK-9066	12
75 T- 75	19	15U-1027	41	GBK-9067	12
5T-82	35	14P-1031	25-35	GBK-9068	12
5T-83	7-35-37-38-40	J5-1167	50	GBK-9069	11
64T-83	7	16P-1221	57	GBK-9100	46
5T-84	35-40	R3-1458	41	GBK-9106	37
64T-84	7	MH440-2623	8	GBK-9110	9
5 T- 85	10	A50-2631	40	GBK-9111	12
5T~86	35	M5-2911	23	GBK-9113	34
64T-86	34-40	GBK-8950	9	GBK-9155	50
5T-88	23	GBK-8953	9	GBK-9156	50
5 T- 89	37	GBK-8954	·9	GBK-9157	50
5 T- 90	35	GBK-8955	9	GBK-9158	50
5T-91	35	GBK-8956	9	GBK-9160	50
60T-131	11	GBK-8957	9	GBK-9161	50
60T-172	22-59	GBK-9002	10	GBK-9164	50
0T-173	38	GBK-9004	10	GBK-9168	50
00T-174	26	GBK-9005	10	GBK-9172	32
60T-175	54	GBK-9006	10	GBK-9175	32

					D Ma
Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
CPV 0174	22	CD12 0902	18	GBK-10250	37
GBK-9176	32	GBK-9802	18	GBK-10264	39
GBK-9181	32	GBK-9850	18	GBK-10265	39
GBK-9182	32	GBK-9855	19	GBK-10266-A	39
GBK-9183	32	GBK-9900	21	GBK-10267	39-54
GBK-9185	32	GBK-9950	40	GBK-10277	37
GBK-9194	50	GBK-9951		GBK-10280	37
GBK-9195	32-50	GBK-9956	19	GBK-10281	37
GBK-9196	10-32	GBK-9957	19	GBK-10201	38
GBK-9253	31	GBK-9958	19	GBK-10402	38
GBK-9255	31	GBK-9959	19	GBK-10402	38
GBK-9256	32	GBK-9960	22	GBK-10451	41
GBK-9260	32	GBK-9965	22	GBK-10451	41
GBK-9261	32	GBK-9967	22		41
GBK-9265	31	GBK-9968	22	GBK-10458	41
GBK-9350	51	GBK-9969	22	GBK-10501	41
GBK-9400	.1	GBK-9970	22	GBK-10502	28
GBK-9401	3	GBK-9971	22	GBK-10551	35
GBK-9451	15	GBK-10000-A	21	GBK-10553-A	
GBK-9452	15	GBK-10001	22	GBK-10555-A	
GBK-9455	16	GBK-10002-A		GBK-10556	35
GBK-9501	17	GBK-10003	21-59	GBK-10557	34
GBK-9601	17	GBK-10004	21-59	GBK-10558	34
GBK-9602	17-39	GBK-10005	22	GBK-10559	32
GBK-9604	17	GBK-10006	22	GBK-10560	34
GBK-9605	17	GBK-10007	22-59	GBK-10562	35
GBK-9606	17	GBK-10008	22-59	GBK-10565	28
GBK-9607	17	GBK-10010-A		GBK-10566	31
GBK-9631	17	GBK-10014	22	GBK-10567	36
GBK-9633	17	GBK-10015	22-59	GBK-10568	33
GBK-9651	18	GBK-10016	21-59	GBK-10569	33
GBK-9652	18	GBK-10017	21-58	GBK-10570	35
GBK-9653	17	GBK-10050	58	GBK-10572-A	
GBK-9654	52	GBK-10100-A		GBK-10573	35
GBK-9655	18	GBK-10101	59	GBK-10574-A	
GBK-9656	18	GBK-10102	59	GBK-10575-A	
GBK-9657	18	GBK-10105	59	GBK-10576-A	
GBK - 9658	18	GBK-10106	59	GBK-10577-A	
GBK-9659	18	GBK-10107	59	GBK-10578	35
GBK-9662	17	GBK-10108	59	GBK-10580	35
GBK-9663	17	GBK-10114	59	GBK-10581	35
GBK-9664	18	GBK-10115	39-59	GBK-10582	35
GBK-9666	37	GBK-10116	59	GBK-10583	35
GBK-9669	38	GBK-10117	58	GBK-10584	35
GBK-9670	17	GBK-10118	58	GBK-10585	35
1C-9737	10	GBK-10150	38	GBK-10586	35
GBK-9801	18	GBK-10200	38	GBK-10587	35

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
GBK-10588	36	GBK-10703	. 52	GBK-10885	53
GBK-10589		GBK-10705	55	GBK-10889	54
GBK-10590		GBK-10708	25	GBK-10891	53
GBK-10591	36	GBK-10757	54	GBK-10892	53
GBK-10592	35	GBK-10758	52	GBK-10893	53-54
GBK-10594		GBK-10759	52	GBK-10894	53
GBK-10597	35	GBK-10760	52	GBK-10898	53
GBK-10598	35	GBK-10761	52	GBK-10899	52-53
GBK-10599	35	GBK-10762	52	GBK-10900	53
GBK-10602	43	GBK-10763	56	GBK-10905	54
GBK-10603	43	GBK-10764	56	GBK-10906	54
GBK-10604	18	GBK-10765	52	GBK-10908	53
GBK-10605	18	GBK-10766	52	GBK-10909	53
GBK-10606	38	GBK-10767	56	GBK-10910	17
GBK-10607	43	GBK-10771	56	GBK-10911	17
GBK-10608	43	GBK-10772	56	GBK-10912	17
GBK-10609	43	GBK-10773	56	GBK-10915	54
GBK-10610	40	GBK-10774	52	GBK-11001	52
GBK-10611	40	GBK-10775	52	GBK-11001-S	52
GBK-10612	40	GBK-10776	52	GBK-11002	53
GBK-10613	40	GBK-10777	54	GBK-11003	53
BK-10614	8	GBK-10778	52	GBK-11005	53
GBK-10615	8	GBK-10779	56	GBK-11006	53
GBK-10616	8	GBK-10780	54	GBK-11010	53
GBK-10617	8	GBK-10781	56	GBK-11011	53 .
GBK-10618	8	GBK-10782	56	GBK-11013	53
GBK-10619	8	GBK-10783	55	GBK-11014	53
GBK-10620	38	GBK-10801	55	GBK-11015	53
GBK-10621	28	GBK-10802	55	GBK-11017	52
GBK-10650	38	GBK-10806	41	GBK-11019	53
GBK-10651	38	GBK-10810	41	GBK-11021	54
GBK-10655	38	GBK-10813	41	GBK-11022	54
GBK-10656	38	GBK-10820	52	GBK-11023	54
GBK-10657	38	GBK-10850	53	GBK-11024	54
GBK-10658	38	GBK-10851	53	GBK-11025	23
GBK-10660	39	GBK-10853	53	GBK-11026	52
GBK-10661	39	GBK-10854	54	GBK-11037	23
GBK-10664	39	GBK-10857	54	GBK-11050	52
GBK-10665	39	GBK-10863	54	GBK-11058	55
GBK-10666	39	GBK-10866	5 4	GBK-11059	54
GBK-10668	39	GBK-10867	54	GBK-11063	52
GBK-10669	38	GBK-10868	54	GBK-11064	52
GBK-10670	38	GBK-10880	53	GBK-11065	55
BK-10671	38	GBK-10881	53	GBK-11075	55
GBK-10701	52	GBK-10883	53	GBK-11076	55
GBK-10702	52	GBK-10884	53	GBK-11079	23

Part No.	Page No.	Part No.	Page No.	Part No:	Page No
GBK-11086	55	GBK-11276	4	GBK-11395	57
GBK-11087	55	GBK-11277	7	GBK-11396	7
GBK-11088	56	GBK-11278	6	GBK-11401	43
GBK-11089	56	GBK-11279	8	GBK-11402	43
GBK-11092	55	GBK-11280	26	GBK-11403	43
GBK-11093	55	GBK-11283	25	GBK-11404	43
GBK-11094	52	GBK-11284	25	GBK-11405	43
GBK-11096	52	GBK-11285	26	GBK-11406	19-43
GBK-11102	52	GBK-11286	26	GBK-11407	44
GBK-11105	52	GBK-11287	22-25-59	GBK=12000	34
GBK-11110	52	GBK-11288	25	GBK=12001 GBK=12003	34 34
GBK-11111	52	GBK-11289	25	GBK-12003	38
GBK-11156	55	GBK-11290	25	19B-14567-A1	35
GBK-11201	52	GBK-11292	28	30205	28
GBK-11202	55	GBK-11293	28	38273	23
GBK-11210	28	GBK-11294	25	GBK-55100	39
GBK-11211	28	GBK-11296	7	100030	27
GBK-11212	28	GBK-11297	8	103361	52
GBK-11219	28	GBK-11300	43	103374	12
GBK-11221	55	GBK-11301	18	103385	12
GBK-11222	55	GBK-11308	41	103387	19
GBK-11223	55	GBK-11310	38	103893	23
GBK-11224	55	GBK-11317	32	104036	39
GBK-11225	55	GBK-11321	36	104136	55
GBK-11226	55 5	GBK-11325	43	109350	50.
GBK-11227	55	GBK-11333	43	109723	33
GBK-11245	41	GBK-11334	43	111292	40
GBK-11251	28	GBK-11341	40	111635	28
GBK-11252	26	GBK-11355	5	113782	10
GBK-11253	28	GBK-11356	5	117825	10
GBK-11254	28	GBK-11357	5	112726	39-53
GBK-11255	28	GBK-11358	5	114548	27
GBK-11259	37	GBK-11377	57	114783	39
GBK-11261	40	GBK-11378	5 7	114785	17
GBK-11262	32	GBK-11379	57	114786	10
GBK-11263	40	GBK-11380	57	119291	19
GBK-11265	40	GBK-11381	57	119512	10-21-59
GBK-11266	41	GBK-11382	57	119928	40
GBK-11267	40	GBK-11383	57	120214	7-10-18
GBK-11268	40	GBK-11385	57		28-39 - 54
GBK-11269	41	GBK-11386	57	120217	24-27-30
GBK-11270	40	GBK-11387	57		34-53
GBK-11271	40	GBK-11388	57	120221	7
GBK-11272	40	GBK-11389	57	120238	24
GBK-11273	40	GBK-11391	57	120322	17
GBK-11275	8	GBK-11392	57	120361	57

Part No.	Page No.	Part No.	Page No.	Part_No.	Page No.
120367	10-27-32-37	124553	19-21-59	162459	23
	39-40-53-54	125250	12	162600	55
120368	10-18-28-39	125947	23-24	162874	55
	54	126009	41	162909	57
120369	10-17-21-37	127960	25	162912	52
	38-39-50-52	128140	31	178576	37
120371	19-21-22-37	131015	35	180021	46
	43-59	131017	44	180075	6-17
120375	40	131046	43	180077	6
120376	7-33-54	131095	33	180081	17-52
120377	54	131098	24	180083	52
120378	24-28	131099	39	180120	31-36
120380	10-32-37-40		32	180122	17-37-41-43
	46-53-54	131183	7-53-57	180124	4 6
120381	27	131208	22	180126	39
120382	9-10-17-18		25-33	180128	25
	21-32-36-37	132901	54	180132	52
	38-40-43-46	132908	30-35	180143	36
	50-54-58	132912	53	180145	37
120383	36-37-46	132931	54	180148	46
120384	12-17-19-21		35	180176	17
120301	22-28-37-43	134551	33	180177	17
•	59	135629	27	180194	37
120385	11	137159	17-38	181004	38
120388	17-38	137214	39	181566	37-53
120393	56	138078	38	181567	17-31
120394	17-39-41-56	138080	10-12-50	181595	28
120396	17-41-44	138479	30-34	181608	9
120585	27	138484	27	181610	52
120614	27-35-53	138545	30	181613	17
120622	10-32	139325	44	181617	52
120647	52	140306	7	181635	52
121222	10	143933	40	181636	58
121358	10-37	143953	57	181637	17-38-40-50
121574	10-37	144061	43	181638	. 9
121637	27	144114	57	181639	43-52
121749	25-33	144131	57	181646	17
121752	10	144243	38	181648	10
121832	33	147579	54	181666	37
121841	24-30-33	149006	55	181693	37
121954	27	152430	55	181698	22-37
122104	1	155118	55	181705	18 `
122427	25	155133	57	181707	18-43
124925	38	161633	33	181709	18
124934	10-12-28-50	161651	55	187395	19
124944	12-37	161657	55	187865	54
*					

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
189308	40	451525	10	895025	9
189334	43	453284	30	895026	9
191245	31	453288	30	903209	26
191249	37	453289	30	905101	14
192071	39	453986	30	905102	14
192406	37	454155	30	905103	14
192470	57	454565	32-43-50	905104	14
213875	17	455713	31	905105	14
214003	40	455714	30	905106	14
214113	52	455862	38	905107	14
214113	54	455973	40	905108	14
218245	57	456173	10-50	905109	14
219913	57	456174	28	905110	14
223826	58	456289	37	905111	14
223836	3 7	810085	33	905112	14
271284	59	810794	25	905113	14
271285	38	811912	25	905114	14
271501	41	813731	32-33	905115	14
2 71506	37	816863	32	905116	14
271724	37	822205	32	905117	14
271744	37	826319	32	905118	14
271749	9	834560	33	905119	14
272257	22	895001	9	905120	14
272920	21-59	895002	9	905121	14
272922	21-59	895003	9	905122	14
273913	24	895004	9	905123	14
273937	54	895005	9	905124	14
422967	27	895006	9	905125	14
423336	27	895007	9	905127	14
423337	27	895008	9	905128	14
426099	43	895009	9	905129	14
431675	12	895010	9	905130	14
444000	18	895011	9	905131	14
444163	15	895012	9	905132	14
444284	15	895013	9	905133	14
444486	7	895014	9	906901	12
444572	28	895015	9	906902	12
444584	19	895016	9	906903	12
444590	15	895017	9	906904	12
446152	11	895018	9	906905 906906	12 12
446646	24	895019	9	906907	12
446653	30	895020	9	906908	12
448112	55	895021	9	906909	12
448116	55	895022	9	906910	12
449905	37	895023	9	906911	12
449949	55	895024	9	906912	12

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
906913	12	910036	48	910082	46
906914	12	910037	46	910083	46
906915	11	910038	49	910084	46
906916	12	910039	49	910085	46
906917	11	910040	48	910086	46
906918	12	910041	48	910087	48
906919	11	910042	48	910088	48
906920	12	910043	49	910089	49
906921	12	910044	48	910090	49
906922	12	910045	48	910091	49
906923	11	910046	49	910092	49
906924	12	910047	48	910093	48
906925	11	910048	48	910094	50
910001	46	910049	46	910095	48
910002	48	910050	46	910096	48
910003	46	910051	- 4 6	910097	46
910004	48	910052	48	910098	48
910005	46	910053	48	910099	46
910006	48	910054	48	910100	50
910007	46	911055	50	910101	50
910008	46	910056	50	910102	50
910010	46	910057	50	910103	49
910011	46	910058	50	910104	49
910012	46	910059	50	910105	49
910013	46	910060	46	910106	49
910014	46	910061	46	910107	46
910015	48	910062	49	910108	48
910016	48	910063	49	910109	48
910017	50	910064	48	910110	46
910019	49	910065	50	910111	49
910020	49	910066	49	910112	49
910021	49	910067	48	910113	48
910022	50	910068	48	910114	49
910023	48	910069	4 8	910115	49
910024	49	910070	48	910116	49
910025	49	910071	48	910117	49
910026	50	910072	48	910118	49
910027	46	910073	48	910119	50
910028	46	910074	46	910120	50
910029	46	91 0 075	48	910121	50
910030	48	910076	46	910122	50
910031	46	910077	46	910123	50
910032	49	910078	48	910124	50
910033	49	910079	46	910125	50
910034	46	910080	48	910126	49
910035	48	910081	48	910127	48

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
910128	46	935006	51	940035	2
910129	49	935007	51	940036	2
910130	49	935008	51	940037	2
910131	49	935009	20-51-58	940038 -	2
910132	49	935010	51	940039	2
910133	49	935011	51	940040	2
910134	49	935012	51	940041	2
910135	49	935013	51	940042	2
910136	46	935014	51	940043	2
925301	31	935015	51	940044	2
925302	31	935016	51	940045	2
925303	31	935017	51	940046	2
925304	31	940001	1	940047	2
925305	31	940002	1	940048	2
925306	31	940003	1	940049	2
925307	31	940004	1	940050	2
925308	31	940005	1	940051	2
925309	31	940006	1	940052	2
925310	31	940007	1	940053	2
925311	31	940008	1	940054	2
925312	31	940009	1	940.055	2
925313	31	940010	1	940056	2
925314	31	940011	1	940057	2
925315	31	940012	1	940058	2
925316	31	940013	1	940059	2
925317	31	940014	1	940060	2 .
925318	31	940015	1	940061	2
925319	31	940016	1	940062	2
925320	31	940017	1	940063	2
925321	31	940018	1	940064	2
925322	31	940019	1	940065	2
925323	31	940020	1	940066	2
925324	31	940021	1	940067	2
925325	32	940022	1	940068	2
925326	32	940023	1	940069	2
925327	32	940024	1	940070	2
925328	32	940025	1	940071	2-3
925329	32	940026	1	940072	2
925330	32	940027	1	940073	2
925331	32	940028	1	940074	3
925332	32	940029	1	940075	3
935001	51	940030	1	940076	3
935002	51	940031	1	940077	3
935003	51	940032	1	940078	3
935004	51	940033	2	940079	3
935005	51	940034	2	940080	3

940081 3 945005 15 945051 15 940082 15 940082 3 945006 15 945052 15 940083 3 945006 15 945053 15 940084 3 945008 15 945055 15 940085 3 945009 15 945055 15 940086 3 945009 15 945056 15 940086 3 945010 15 945056 15 940086 3 945011 15 945056 15 940088 3 945011 15 945058 15 940088 3 945012 15 945058 15 940088 3 945012 15 945058 15 940090 3 945014 15 945059 16 940090 3 945014 15 945060 15 940090 1 945016 15 945061 15 945061 15 945060 15 940090 1 945016 15 945061 15 945061 15 945060 15 940090 1 945016 15 945061 15 945062 15 940090 1 945016 15 945062 15 940093 1 945016 15 945062 15 940093 1 945016 15 945063 15 945064 15 940096 3 945019 15 945065 15 945064 15 940096 3 945019 15 945065 15 940097 3 945019 15 945065 15 940097 3 945012 16 960101 17 940099 3 945012 16 960101 17 940099 3 945012 16 960101 17 940099 3 945022 16 960102 17 940099 3 945022 16 960102 17 940099 3 945022 16 960102 17 940099 3 945023 16 960103 17 940101 1 945025 16 985001 19 945010 1 945025 16 985001 19 945010 1 945028 16 985001 19 945010 1 945028 16 985001 19 945010 1 945028 16 985001 19 945010 1 945028 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945010 3 945031 16 985001 19 945011 3 945035 16 985001 19 945011 3 945035 16 985001 19 945011 3 945036 16 985001 19 945011 3 945036 16 985001 19 945011 3 945036 16 985001 19 945011 3 945036 16 985001 19 945011 3 945036 16 985001 19 945011 3 945036 16 985001 19 945011 3 945036 16 985001 19 945011 3 945036 16 985001 19 945031 16 985001 19 945041 15 985001 19 945041 15 985001 19 945041 15 985001 19 945041 15 985002 19 940110 3 945046 15 985003 19 945040 15 985003 19 945040 15 985003 19 945040 15 985003 19 945040 1	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
940082 3 945006 15 945052 15 940083 3 945007 15 945053 15 940084 3 945009 15 945054 15 940085 3 945009 15 945055 15 940086 3 945010 15 945056 15 940088 3 945011 15 945057 16 940088 3 945012 15 945058 15 940089 3 945013 15 945059 16 940090 3 945014 15 945060 15 940091 3 945015 15 945061 15 940092 1 945016 15 945062 15 940093 1 945017 15 945062 15 940093 1 945017 15 945062 15 940094 1 945018 15 945064 15 940096 3 945019 15 945064 15 940097 3 945019 15 945064 17 940098 1 945020 16 95633 26 940099 3 945020 16 95633 26 940099 3 945020 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945025 16 985001 19 940101 1 945026 16 985001 19 940102 1 945026 16 985001 19 940104 1 945028 16 985001 19 940105 3 945029 16 985001 19 940106 3 945029 16 985001 19 940107 3 945029 16 985001 19 940108 1 945026 16 985001 19 940109 3 945030 16 985001 19 940101 1 945026 16 985001 19 940104 1 945028 16 985001 19 940105 3 945030 16 985001 19 940106 3 945030 16 985001 19 940107 3 945030 16 985001 19 940108 3 945030 16 985001 19 940109 3 945030 16 985001 19 940101 3 945029 16 985001 19 940104 1 945028 16 985001 19 940105 3 945030 16 985001 19 940106 3 945030 16 985001 19 940107 3 945030 16 985001 19 940108 3 945030 16 985001 19 940109 3 945030 16 985001 19 940110 3 945030 16 985000 19 940110 3 945030 16 985000 19 940110 3 945030 16 985001 19 940110 3 945030 16 985001 19 940110 3 945030 16 985001 19 940110 3 945030 16 985001 19 940110 3 945030 16 985001 19 940110 3 945030 16 985001 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 3 945030 16 985002 19 940110 1 945040 15 985002 19 940110 1 945040 15 985002 19 940110 1 945040 15 985002 19	040081	3	945005	15	945051	15
940083 3 945007 15 945053 15 940084 3 945008 15 945054 15 940085 3 945009 15 945055 15 940085 3 945010 15 945055 15 940086 3 945010 15 945057 16 940087 3 945011 15 945057 16 940088 3 945012 15 945059 16 940089 3 945013 15 945059 16 940090 3 945014 15 945060 15 940091 3 945015 15 945060 15 945060 15 940091 3 945015 15 945060 15 945062 15 940091 3 945015 15 945062 15 945062 15 945093 1 945016 15 945062 15 945062 15 945093 1 945017 15 945063 15 945064 15 945096 3 945019 15 945064 15 945096 3 945019 15 945065 15 940096 3 945019 15 945065 15 940096 3 945020 16 954553 26 940097 3 945021 16 960101 17 940099 1 945022 16 960102 17 940099 1 945022 16 960102 17 940099 3 945023 16 960102 17 940099 3 945024 16 960104 17 940099 3 945024 16 960104 17 940099 3 945025 16 985001 19 940101 1 945025 16 985001 19 940101 1 945025 16 985001 19 940103 1 945026 16 985001 19 940105 3 945028 16 985001 19 940103 1 945028 16 985003 19 940104 1 945028 16 985003 19 940105 3 945031 16 985006 19 940107 3 945033 16 985006 19 940107 3 945034 16 985006 19 940107 3 945033 16 985006 19 940107 3 945033 16 985006 19 940107 3 945033 16 985006 19 940108 3 945033 16 985006 19 940109 3 945033 16 985006 19 940109 3 945033 16 985006 19 940109 3 945033 16 985006 19 940110 3 945035 16 985006 19 940110 3 945035 16 985001 19 940110 3 945035 16 98500					945052	15
940084 3 945008 15 945054 15 940085 3 945009 15 945055 15 940086 3 945010 15 945056 15 940086 3 945011 15 945057 16 940088 3 945012 15 945058 15 940088 3 945012 15 945058 15 940088 3 945013 15 945060 15 940090 3 945014 15 945060 15 940090 3 945015 15 945060 15 940091 3 945016 15 945061 15 945060 15 940091 3 945016 15 945061 15 945061 15 945060 15 940092 1 945016 15 945062 15 940093 1 945016 15 945062 15 940093 1 945016 15 945064 15 945064 15 940095 3 945019 15 945064 15 940095 3 945019 15 945065 15 940096 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960103 17 940100 1 1 945025 16 985002 19 940101 1 945025 16 985002 19 940103 1 945027 16 985001 19 940103 1 945027 16 985001 19 940105 3 945029 16 985002 19 940104 1 945028 16 985002 19 940105 3 945030 16 985004 18 940105 3 945030 16 985004 18 945030 16 985006 19 940105 3 945033 16 985004 18 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985006 19 940108 3 945030 16 985001 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985012 19 940110 3 945036 16 985010 19 940110 3 945036 16 985012 19 940110 3 945036 16 985012 19 940110 3 945036 16 985012 19 940110 3 945036 16 985020 19 940110 3 945036 16 985020 19 940110 3 945036 16 985020 19 940110 3 945036 16 985020 19 940110 3 945036 16 985020 19 940110 3 945036 16			•		945053	15
940085 3 945009 15 945055 15 940086 3 945010 15 945056 15 940086 3 945011 15 945056 15 940087 3 945012 15 945058 15 940088 3 945012 15 945059 16 940089 3 945013 15 945059 16 940090 3 945014 15 945061 15 945061 15 940091 3 945015 15 945061 15 945062 15 940090 1 945016 15 945062 15 940090 1 945016 15 945062 15 940091 1 945016 15 945062 15 940092 1 945018 15 945062 15 940094 1 945018 15 945064 15 945064 15 940096 3 945019 15 945065 15 940097 3 945019 15 945065 15 940097 3 945019 16 960101 17 940099 1 945020 16 954533 26 940097 3 945021 16 960101 17 940099 3 945021 16 960101 17 940099 3 945023 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 940100 1 945027 16 985001 19 940103 1 945027 16 985003 19 940104 1 945027 16 985003 19 940104 1 945027 16 985003 19 940104 1 945027 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945033 16 985006 19 940107 3 945033 16 985006 19 940108 3 945033 16 985006 19 940107 3 945033 16 985006 19 940108 3 945033 16 985006 19 940109 3 945033 16 985006 19 940109 3 945033 16 985006 19 940109 3 945033 16 985006 19 940109 3 945033 16 985001 19 940109 3 945033 16 985001 19 940109 3 945033 16 985001 19 940109 3 945033 16 985001 19 940109 3 945033 16 985010 19 940109 3 945033 16 985010 19 940109 3 945033 16 985010 19 940110 3 945035 16 985001 19 940110 3 945035 16 985010 19 940110 3 945037 16 985012 19 940110 3 945037 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985012 19 940111 3 945035 16 985012 19 940111 3 945035 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985012 19 940110 3 945035 16 985023 19 940110 3 945034 15 985023 19 940110 3 945034 15 985023 19 940110 3 945034 15 985024 19 940112 3 945046 15 985020 19 940112 3 945046 15 985020 19 940112 3 945046 15 985020 19 940112 3 9450	•				945054	15
940086 3 945010 15 945056 15 940087 3 945011 15 945057 16 940088 3 945012 15 945058 15 940089 3 945013 15 945060 15 940089 3 945014 15 945060 15 940090 3 945015 15 945060 15 940090 1 945016 15 945061 15 945062 15 940092 1 945016 15 945062 15 940093 1 945016 15 945062 15 940093 1 945018 15 945064 15 945064 15 940095 3 945019 15 945065 15 940096 3 945019 15 945065 15 940096 3 945020 16 954533 26 940097 3 945021 16 960102 17 940098 1 945022 16 960102 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960103 17 940101 1 945025 16 985001 19 940101 1 945025 16 985001 19 940103 1 945027 16 985001 19 940104 1 945026 16 985002 19 940105 3 945029 16 985003 19 940105 3 945029 16 985005 19 940105 3 945029 16 985005 19 940105 3 945030 16 985006 19 940107 3 945030 16 985006 19 940107 3 945030 16 985006 19 940107 3 945030 16 985006 19 940107 3 945030 16 985006 19 940109 3 945030 16 985006 19 940109 3 945030 16 985006 19 940107 3 945030 16 985006 19 940107 3 945030 16 985001 19 940110 3 945030 16 985000 19 940110 3 945030 16 985000 19 940110 3 945030 16 985000 19 940110 3 945030 16 985000 19 940110 3 945030 16 985000 19 940110 3 945030 16 9850					945055	15
940087 3 945011 15 945057 16 940088 3 945012 15 945058 15 940089 3 945013 15 945059 16 940090 3 945014 15 945060 15 940090 3 945015 15 945061 15 940091 3 945016 15 945062 15 940092 1 945016 15 945063 15 940093 1 945017 15 945063 15 940094 1 945018 15 945064 15 940096 3 945019 15 945065 15 940097 3 945019 15 945065 15 940097 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 940102 1 945026 16 985001 19 940103 1 945027 16 985003 19 940104 1 945026 16 985003 19 940105 3 945020 16 985003 19 940106 1 945026 16 985001 19 940107 3 945031 16 985006 19 940108 3 945030 16 985006 19 940107 3 945031 16 985006 19 940107 3 945031 16 985006 19 940108 3 945030 16 985006 19 940109 3 945031 16 985006 19 940107 3 945031 16 985006 19 940108 3 945032 16 985001 19 940110 3 945035 16 985001 19 940110 3 945035 16 985001 19 940110 3 945035 16 985001 19 940110 3 945035 16 985001 19 940110 3 945035 16 985001 19 940110 3 945035 16 985001 19 940111 3 945035 16 985001 19 940112 3 945035 16 985010 19 940113 3 945035 16 985010 19 940116 3 945037 16 985011 19 940116 3 945038 15 985011 19 940117 2 945041 15 985017 18 940118 2 945036 16 985017 18 940119 1 945043 15 985021 19 940110 1 945043 15 985021 19 940110 1 945043 15 985021 19 9401118 2 945044 15 985025 18 940112 3 945044 15 985025 18 940112 3 945043 15 985021 19 940113 3 945044 15 985021 19 940116 3 945044 15 985021 19 940117 2 945044 15 985025 18 940120 3 945044 15 985025 18 940120 3 945044 15 985025 18 940120 3 945046 15 985026 19 940120 3 945046 15 985026 19 940120 3 945046 15 985027 18 940120 3 945046 15 985027 18 940120 3 945046 15 985027 18 940120 3 945044 15 985027 18 940120 3 945044 15 985027 18 940120 3 945044 15 985027 18 940120 3 945044 15 985027 18 940120 3 945044 15 985021 19 940110 15 945044 15 985021 19 940110 15 945044 15 985021 19 940120 3 945044 15 985021 19	•				945056	15
940088 3 945012 15 945058 15 940089 3 945013 15 945059 16 940090 3 945014 15 945060 15 940091 3 945015 15 945061 15 940092 1 945016 15 945062 15 940093 1 945017 15 945063 15 940094 1 945018 15 945064 15 940095 3 945019 15 945065 15 940096 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940099 3 945023 16 960104 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 940102 1 945025 16 985001 19 940103 1 945025 16 985001 19 940104 1 945026 16 985002 19 940105 3 945029 16 985003 19 940106 3 945030 16 985005 19 940107 3 945031 16 985006 19 940108 3 945030 16 985006 19 940109 3 945033 16 985006 19 940109 3 945033 16 985006 19 940110 3 945035 16 985006 19 940110 3 945035 16 985001 19 940110 3 945035 16 985001 19 940110 3 945035 16 985006 19 940110 3 945030 16 985006 19 940110 3 945031 16 985006 19 940110 3 945033 16 985001 19 940110 3 945033 16 985000 19 940110 3 945034 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940112 3 945036 16 985010 19 940113 3 945037 16 985012 19 940114 3 945038 15 985012 19 940115 3 945030 15 985020 19 940110 1 945044 15 985020 19 940110 1 945044 15 985020 19 940110 1 945044 15 985021 19 940110 1 945044 15 985020 19 940110 1 945044 15 985020 19 940110 1 945044 15 985020 19 940120 3 945046 15 985020 19 940120 3 945046 15 985020 19 940120 3 945046 15 985020 18			•		945057	16
940089 3 945013 15 945059 16 940090 3 945014 15 945060 15 940091 3 945015 15 945061 15 940092 1 945016 15 945062 15 940093 1 945017 15 945063 15 940094 1 945018 15 945065 15 940095 3 945019 15 945065 15 940096 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 940102 1 945026 16 985002 19 940103 1 945027 16 985001 19 940104 1 945028 16 985002 19 940105 3 945020 16 985005 19 940106 3 945020 16 985006 19 940107 3 945030 16 985006 19 940108 3 945030 16 985006 19 940107 3 945031 16 985006 19 940108 3 945032 16 985006 19 940109 3 945033 16 985006 19 940109 3 945035 16 985001 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940110 3 945037 16 985010 19 940110 3 945038 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945038 16 985010 19 940110 3 945038 16 985010 19 940110 3 945038 16 985010 19 940110 3 945038 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985012 19 940113 3 945037 16 985017 18 940114 3 945037 16 985017 18 940115 3 945037 16 985012 19 940116 3 945040 15 985020 19 940117 2 945041 15 985020 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940110 3 945044 15 985025 18 940120 3 945043 15 985026 19 940110 1 945044 15 985026 19 940110 1 945043 15 985021 19 940110 1 945044 15 985025 18 940120 3 945046 15 985020 19 940120 3 945046 15 985020 19 940122 3 945046 15 985020 19 940122 3 945046 15 985020 19 940122 3 945046 15 985030 19 940502 16 945048 16 985030 19			·		945058	15
940090 3 945014 15 945060 15 940091 3 945015 15 945061 15 940092 1 945016 15 945063 15 940093 1 945017 15 945063 15 940094 1 945018 15 945064 15 940095 3 945019 15 945065 15 940097 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 940102 1 945025 16 985001 19 940103 1 945027 16 985001 19 940104 1 945028 16 985002 19 940105 3 945030 16 985004 18 940107 3 945031 16 985006 19 940107 3 945031 16 985006 19 940108 3 945031 16 985006 19 940109 3 945031 16 985001 19 940101 3 945036 16 985001 19 940105 3 945030 16 985005 19 940107 3 945031 16 985006 19 940107 3 945031 16 985006 19 940108 3 945032 16 985006 19 940107 3 945031 16 985006 19 940107 3 945031 16 985001 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940112 3 945036 16 985012 19 940113 3 945036 16 985012 19 940115 3 945037 16 985012 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945041 15 985021 19 940119 1 945043 15 985024 19 940120 3 945044 15 985024 19 940122 3 945045 16 985023 19 940122 3 945046 15 985026 19 940122 3 945046 15 985020 19 940122 3 945046 15 985021 19 940122 3 945046 15 985020 19 940122 3 945046 15 985020 19 945002 16 945047 16 985021 18					945059	16
940091 3 945015 15 945061 15 940092 1 945016 15 945062 15 940093 1 945017 15 945063 15 940094 1 945018 15 945064 15 940095 3 945019 15 945065 15 940096 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 940102 1 945026 16 985001 19 940103 1 945027 16 985001 19 940104 1 945028 16 985001 19 940105 3 945029 16 985004 18 940105 3 945029 16 985006 19 940107 3 945031 16 985006 19 940108 3 945030 16 985006 19 940109 3 945031 16 985006 19 940109 3 945031 16 985006 19 940109 3 945031 16 985006 19 940109 3 945031 16 985006 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945038 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940111 3 945035 16 985012 19 940112 3 945036 16 985012 19 940114 3 945037 16 985012 19 940115 3 945037 16 985012 19 940116 3 945038 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985021 19 940119 1 945043 15 985021 19 940120 3 945045 16 98502 19 940120 3 945045 16 98502 19 940120 3 945046 15 98502 19 940122 3 945046 15 985020 19 940122 3 945046 15 985020 19 940122 3 945047 16 985020 19 940122 3 945047 16 985020 19 940122 3 945048 16 985030 19 945000 15 985020 19 945000 15 985020 19 945000 15 985020 19 945000 15 985020 19 940122 3 945045 16 985020 19 940122 3 945046 15 985020 19 940122 3 945047 16 985020 18					945060	15
940092 1 945016 15 945062 15 940093 1 945017 15 945063 15 940096 1 945018 15 945064 15 940096 3 945019 15 945065 15 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 940102 1 945026 16 985002 19 940103 1 945027 16 985001 19 940104 1 945028 16 985003 19 940105 3 945028 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985006 19 940108 3 945032 16 985005 19 940109 3 945031 16 985005 19 940101 3 945035 16 985005 19 940102 1 945036 16 985005 19 940103 1 945037 16 985005 19 940104 1 945038 16 985005 19 940105 3 945030 16 985006 19 940107 3 945031 16 985006 19 940108 3 945032 16 985005 19 940109 3 945035 16 985008 19 940110 3 945033 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940111 3 945036 16 985011 19 940112 3 945036 16 985012 19 940113 3 945036 16 985012 19 940114 3 945036 16 985012 19 940115 3 945037 16 985017 18 940116 3 945036 16 985017 18 940117 2 945041 15 985012 19 940118 2 945042 16 985023 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940110 3 945044 15 985025 18 940120 3 945046 15 985025 18 940121 3 945046 15 985025 18 940122 3 945046 15 985020 19 940122 3 945046 15 985020 19 945002 16 945048 16 985020 19					945061	15
940093 1 945017 15 945063 15 940094 1 945018 15 945064 15 940095 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960102 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 40102 1 945025 16 985001 19 940103 1 945026 16 985002 19 940104 1 945028 16 985004 18 940105 3 945029 16 985004 18 940106 3 945030 16 985006 19 940107 3 945031 16 985006 19 940108 3 945030 16 985006 19 940109 3 945031 16 985009 19 940100 3 945031 16 985009 19 940100 3 945031 16 985009 19 940101 3 945031 16 985009 19 940102 3 945031 16 985009 19 940103 3 945031 16 985009 19 940104 3 945035 16 985009 19 940107 3 945031 16 985009 19 940108 3 945033 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985013 19 940114 3 945038 15 985013 19 940115 3 945038 15 985013 19 940116 3 945039 15 985010 19 940117 2 945041 15 985020 19 940110 3 945045 16 985020 19 940117 2 945041 15 985020 19 940110 3 945043 15 985020 19 940110 3 945045 16 985020 19 940110 3 945046 15 985020 19 940110 3 945046 15 985020 19 940120 3 945046 15 985025 18 940121 3 945046 15 985020 19 940122 3 945046 15 985020 19 945002 16 945048 16 985030 19 945003 16 945049 15 985031 18	•				945062	15
940094 1 945018 15 945064 15 940095 3 945019 15 945065 15 940096 3 945020 16 954533 26 940097 3 945022 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960103 17 940101 1 945025 16 985001 19 940102 1 945026 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945030 16 985006 19 940108 3 945031 16 985008 19 940109 3 945031 16 985008 19 940109 3 945030 16 985009 19 940110 3 945034 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940110 3 945035 16 985010 19 940111 3 945036 16 985011 19 940111 3 945036 16 985011 19 940112 3 945036 16 985011 19 940112 3 945036 16 985011 19 940112 3 945036 16 985011 19 940114 3 945036 16 985017 18 940114 3 945036 16 985017 18 940114 3 945036 16 985017 18 940114 3 945038 15 985017 18 940114 3 945038 15 985017 18 940116 3 945039 15 985017 18 940116 3 945030 15 985020 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940117 2 945041 15 985021 19 940118 2 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940116 3 945040 15 985021 19 940112 3 945040 15 985021 19 940112 3 945040 15 985021 19 940112 3 945040 15 985021 19 940112 3 945040 15 985021 19 940112 3 945040 15 985021 19 940112 3 945040 15 985021 19 940112 3 945040 15 985021 19 940112 3 945040 15 985021 19 940120 3 945040 15 985021 19 940120 3 945040 15 985021 19 940120 3 945040 15 985021 19 945040 15 985021 19 945040 15 985021 19 945040 15 985021 19 945040 15 98	•		·		945063	15
940095 3 945019 15 945065 15 940096 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945025 16 985001 19 940101 1 945025 16 985002 19 940103 1 945026 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985003 19 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945030 16 985006 19 940108 3 945030 16 985006 19 940109 3 945031 16 985008 19 940109 3 945031 16 985009 19 940110 3 945034 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985011 19 940112 3 945036 16 985012 19 940113 3 945036 16 985012 19 940114 3 945037 16 985012 19 940115 3 945038 15 985013 19 940116 3 945039 15 985013 19 940116 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985020 19 940119 1 945043 15 985021 19 940110 1 945043 15 985021 19 940111 3 945040 15 985021 19 940112 3 945046 16 985021 19 940113 3 945040 15 985020 19 940114 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940120 3 945044 15 985025 18 940121 3 945045 16 985025 18 940121 3 945046 15 985025 18 940122 3 945046 15 985026 19 940122 3 945046 15 985020 19 945001 15 945047 16 985030 19 945002 16 945048 16 985030 19 945003 16 945049 15 985031 18					945064	15
940096 3 945020 16 954533 26 940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 40102 1 945026 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985006 19 940108 3 945032 16 985008 19 940109 3 945031 16 985009 19 94010 3 945030 16 985001 19 94011 3 945035 16 985010 19 94011 3 945036 16 985011 19 94011 3 945036 16 985011 19 94011 3 945037 16 985011 19 94011 3 945036 16 985011 19 94011 3 945037 16 985011 19 94011 3 945036 16 985011 19 94011 3 945037 16 985012 19 94011 3 945036 16 985012 19 94011 3 945037 16 985017 18 94011 3 945038 15 985018 19 94011 3 945039 15 985019 19 94011 3 945040 15 985020 19 940116 3 945040 15 985020 19 940117 2 945041 15 985020 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945045 16 985025 18 940121 3 945045 16 985025 18 940122 3 945046 15 985025 18 940123 3 945046 15 985025 18 940121 3 945046 15 985025 18 940122 3 945046 15 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985030 19 945002 16 945048 16 985030 19 945003 16 945049 15 985031 18	•				945065	15
940097 3 945021 16 960101 17 940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 40102 1 945026 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945029 16 985006 19 940107 3 945031 16 985006 19 940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940110 3 945036 16 985010 19 940112 3 945036 16 985011 19 940113 3 945035 16 985012 19 940114 3 945038 15 985012 19 940115 3 945038 15 985013 19 940116 3 945038 15 985018 19 940116 3 945038 15 985019 19 940116 3 945039 15 985019 19 940117 2 945041 15 985020 19 940119 1 945043 15 985021 19 940119 1 945043 15 985021 19 940119 1 945043 15 985021 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985026 19 940123 3 945046 15 985026 19 940120 15 945047 16 985027 18 15002 16 945048 16 985030 19 945001 15 945047 16 985029 18 15002 16 945048 16 985030 19 945003 16 945048 16 985030 19			•		954533	26
940098 1 945022 16 960102 17 940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 940102 1 945026 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985006 19 940108 3 945032 16 985009 19 940109 3 945033 16 985009 19 940110 3 945034 16 985010 19 940110 3 945035 16 985010 19 940110 3 945036 16 985012 19 940111 3 945036 16 985012 19 940112 3 945036 16 985012 19 940113 3 945037 16 985013 19 940114 3 945038 15 985017 18 940115 3 945039 15 985017 18 940116 3 945039 15 985019 19 940116 3 945039 15 985019 19 940116 3 945030 15 985010 19 940116 3 945030 15 985012 19 940117 2 945041 15 985021 19 940118 2 945040 15 985021 19 940119 1 945043 15 985021 19 940120 3 945044 15 985021 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 15002 16 945048 16 985030 19 945001 15 945047 16 985029 18 15002 16 945048 16 985030 19 945001 15 945047 16 985029 18 15002 16 945048 16 985030 19 945003 16 945048 16 985030 19	•				960101	17
940099 3 945023 16 960103 17 940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 40102 1 945026 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945033 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 <td></td> <td></td> <td></td> <td></td> <td>960102</td> <td>17</td>					960102	17
940100 2-3 945024 16 960104 17 940101 1 945025 16 985001 19 40102 1 945026 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985010 19 940111 3 945035 16 985011 19 940112 3 945036 16 985012 19 940113 3 945037 16 985012 19 940114 3 945038 15 985013 19 940115 3 945038 15 985018 19 940116 3 945039 15 985019 19 940116 3 945039 15 985019 19 940117 2 945041 15 985020 19 940118 2 945042 16 985021 19 940119 1 945043 15 985020 19 940119 1 945043 15 985021 19 940119 1 945043 15 985025 18 940120 3 945044 15 985025 18 940121 3 945045 16 985025 18 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 945001 15 945047 16 985026 19 945001 15 945047 16 985029 18 15002 16 945048 16 985030 19 945003 16 945049 15 985031 18	•				•	17
940101 1 945025 16 985001 19 940102 1 945026 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985005 19 940105 3 945029 16 985005 19 940107 3 945031 16 985006 19 940108 3 945032 16 985009 19 940109 3 945033 16 985000 19 940110 3 945034 16 985010 19 940111 3 945035 16 985011 19 940112 3 945036 16 985012 19 940113 3 945036 16 985013 19 940114 3 945037 16 985013 19 940115 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985018 19 940116 3 945040 15 985020 19 940117 2 945041 15 985020 19 940118 2 945042 16 985021 19 940119 1 945043 15 985021 19 940119 1 945043 15 985024 19 940120 3 945046 15 985025 18 940121 3 945045 16 985025 18 940121 3 945045 16 985025 18 940121 3 945045 16 985025 18 940122 3 945046 15 985026 19 940122 3 945046 15 985026 19 940122 3 945046 15 985028 19 945001 15 945049 15 985029 18 15002 16 945049 15 985030 19 945003 16 945049 15 985031 18						17
40102 1 945025 16 985002 19 940103 1 945027 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945040 15						19
940103 1 945027 16 985003 19 940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 <td></td> <td></td> <td></td> <td></td> <td></td> <td>19</td>						19
940104 1 945028 16 985004 18 940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945035 16 985013 19 940112 3 945035 16 985013 19 940113 3 945035 16 985017 18 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945040 15 <td></td> <td></td> <td></td> <td></td> <td></td> <td>19</td>						19
940105 3 945029 16 985005 19 940106 3 945030 16 985006 19 940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 <td></td> <td></td> <td></td> <td></td> <td></td> <td>18</td>						18
940106 3 945030 16 985006 19 940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945038 15 985018 19 940116 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945043 15 <td></td> <td></td> <td></td> <td></td> <td></td> <td>19 .</td>						19 .
940107 3 945031 16 985008 19 940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940120 3 945044 15 985024 19 940121 3 945045 16 985025 18 940122 3 945046 15 9850						19
940108 3 945032 16 985009 19 940109 3 945033 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985025 18 940122 3 945046 15 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 15002 16 945048 16 985030 19 945003 16 945049 15 985031 18						19
940109 3 945033 16 985010 19 940110 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940120 3 945043 15 985024 19 940121 3 945044 15 985025 18 940122 3 945045 16 985026 19 945001 15 945047 16 985029 18 45002 16 945048 16 985						19
940100 3 945034 16 985011 19 940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940120 3 945043 15 985024 19 940121 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985						19
940111 3 945035 16 985012 19 940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985031 18 945003 16 945049 15 98						19
940112 3 945036 16 985013 19 940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985031 18 945003 16 945049 15 985031 18						19
940113 3 945037 16 985017 18 940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 15002 16 945048 16 985031 18 945003 16 945049 15 985031 18						19
940114 3 945038 15 985018 19 940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18			·			18
940115 3 945039 15 985019 19 940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18					985018	19
940116 3 945040 15 985020 19 940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18			·		·	19
940117 2 945041 15 985021 19 940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18						19
940118 2 945042 16 985023 19 940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18						19
940119 1 945043 15 985024 19 940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18	•					19
940120 3 945044 15 985025 18 940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18			•		•	19
940121 3 945045 16 985026 19 940122 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18		_	•		·	18
940121 3 945046 15 985028 19 945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18			•			19
945001 15 945047 16 985029 18 45002 16 945048 16 985030 19 945003 16 945049 15 985031 18	-		· ·		·	19
45002 16 945048 16 985030 19 945003 16 945049 15 985031 18						18
945063 16 945049 15 985031 18						19
745005 10 72577 25						18
/=>====================================	945004	15	945050	15	985032	18

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
985033	18	1125016	6	1125066	7
985034	18	1125017	6	1125067	6
985035	18	1125018	6	1125068	6
985036	18	1125019	6	1125069	7
985037	18	1125020	6	1125070	6
985038	18	1125021	6	1125071	6
985039	19	1125022	6	1125072	6
985040	19	1125023	6	1125073	7
985041	19	1125024	6	1127601	4
985042	19	1125025	7 .	1127602	4
990001	20	1125026	6	1127603	4
990002	20	1125027	7	1127604	4
1011701	58	1125028	7	1127605	4
1011702	20-58	1125029	7	1127606	4
1011703	20-58	1125030	6	1127607	4
1011704	19-58	1125031	6	1127608	4
1011705	19-58	1125032	6	1127609	4
1011706	19-58	1125032	6	1127610	4
1011707	20-58	1125034	6	1127611	4
1011709	19-58	1125034	7	1127612	4
1011710	58	1125035	6	1127613	4
1102501	23	1125037	7	1127614	4
1102502	23	1125037	7	1127615	4
1102503	23	1125038	7	1127616	4
1102504	23	1125040	7	1127617	4
1102505	23	1125040	7	1127617	4
1102506	23	1125041	7	1127619	4
1102507	23	1125042	6	1127620	4
1114058	23	1125043	7	1127621	4
1114098	23	1125044	6	1127622	4
1119879	33	1125045		1130001	1 44
1125001	6	1125047	6 7	1130001	44
1125002	6	1125047	7	1130005	44
1125003	6	1125049	7	1130009	43
1125004	6	1125050	6	1130009	44
1125005	6	1125051	7	1130010	44
1125006	6	1125051	7	1130011	44
1125007	7	1125052	7	1130012	44
1125008	7	1125054	7	1130013	44
1125009	6	1125055	7	1130014	44
1125010	6	1125056	7	1130015	44
1125011	6	1125057	7	1130017	44
1125012	6	1125062	6	1130017	44
1125013	6	1125063	6	1130019	44
1125014	6	1125064	7	1130017	44
1125015	6	1125065	7	1130021	44
		=			

Oart No.	Page No.	Part No.	Page No.	Part No.	Page No.
1130022	43	1857304	33	1908015	32
1130023	44	1857306	33	1908019	32
1130023	44	1857307	33	1908021	32
1130024	44	1857308	33	1908022	32
1130025	44	1860389	33	1909521	24
1130027	44	1861786	24	1909523	24
1130027	44	1861787	24	1909531	24
1130029	44	1861788	24	1909654	24
1130029	43	1861791	25	1909829	34
1130030	44	1864279	28	1910174	30
1130031	44	1865603	34	1910179	30
1130032	44	1865614	34	1910183	30
1130033	44	1867877	25	1911459	34
1130034	44	1868137	34	1911461	34
1130035	44	1871630	33	1911515	30
1130035	44	1871636	34	1911644	25
1130037	43	1872459	33	1912728	24
1130039	43	1874495	33	1912745	30
1130037	44	1874846	24	1914373	24
1133401	43	1874847	24	1916272	24
1133401	43	1874848	24	1916320	23
133403	43	1874851	24	1917241	23-24
1133404	43	1877518	33	1918047	24
1133405	43	1877519	33	1918687	24
1133406	43	1878503	33	1918690	23
1133407	43	1888940	34	1921805	24
1133408	43	1900465	33	1922457	25
1133409	43	1902494	24-27	1923484	24
1133410	4.3	1903777	30	1925919	30
1133411	43	1904376	24	1930611	25-34
1133412	43	1904615	32	1933324	31
1137175	27	1904640	34	1934478	25
1837223	33	1904641	34	1936466	25
1838591	32	1904966	32	1937116	23
1843646	25	1904998	34	1940999	28
1847232	33	1905014	25	1941000	28
1847233	33	1905124	33	1941001	27
1847234	33	1905125	28	1941002	27
1847243	33	1905466	33	1941016	27
1847418	33	1905762	30-31	1941018	27
1850468	34	1905877	27	1941036	27
1850890	33	1906051	34	1941039	27
1850891	33	1906053	34	1941041	27
350892	33	1906988	23	1941043	27
1855488	34	1907474	28	1941044	27
1857300	33	1908010	32	1941052	27

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
1941054	27	1945422	27	1953025	26
1941055	27	1945468	23	1954861	33
1941056	27	1945469	23	1957847	24
1941057	27	1945470	25	1959519	26
1941058	26	1945472	24	9401482	53-54
1941059	26	1945473	25	9411579	40
1941060	27	1945474	25	9412305	24
1941063	26	1945475	23	9412358	25
1941391	30	1945476	23	9415234	25
1941463	30	1945477	23	9415565	30
1941464	30	1945478	24	9415767	10
1941466	28	1945479	24	9415796	41
1941467	30	1945480	25		
1941468	30	1945484	24		
1941471	30	1945487	23		
1941472	30	1945499	23		
1941473	30	1945506	24		
1941474	30 .	1945509	24		
1941475	30	1945510	24		
1941477	30	1945514	23		
1941479	30	1945517	24		•
1941480	28	1945518	24		
1941482	28	1945521	24		
1941483	30	1945861	25		
1941484	30	1945906	23		
1941485	28	1945924	33		
1941822	28	1946002	34		
1942256	25	1946003	34		
1942257	23	1946004	34		
1942260	25	1946558	27		
1942282 1942421	25 27	1946568 1947262	26 24		
1942421	28	1949109	23		
1942422	27	1949157	31		
1942826	28	1949160	30		
1942829	28	1949161	30		
1942830	30	1949162	31		
1942831	30	1949471	28		
1942969	33	1952193	27		
1944748	30	1952195	26		
1944836	34	1952196	27		
1945161	34	1952197	27		
1945356	25	1952212	26		
1945402	34	1953023	26		
1945409	34	1953024	26		

INDEX

reather and Oil Filter, Crankcase Ventilator Buzzer, Fuses and Relay, Junction Panels Carrier Assembly, Differential Cleaner, Air Clutch Clutch Clutch Clutch Clutch Clutch Clutch Clutch Clutch Control Fan Gear Box Fan Support Assembly Filter, Fuel Filter, Fuel Fuel Fuel Fuel Fuel Filter Fuel Injector Fuel Lines Fuel Lines Fuses, Junction Panels, Buzzer	Pa	ge No.	<u>Pa</u>	ge No.
Accessory Drive Accemulator. Control Valve and Lever - Clutch 12-14 Air Blower, Inlet 40-41 Air Blower, Inlet 40-41 Air Blower, Inlet 40-41 Air Brake Lines 7-8 Air Cleaner 41 Differential Carrier Assembly 1-3 Air Conditioning 57-59 Drive, Accessory 38 Air Conditioning 57-59 Drive, Accessory 38 Air Conditioning Compressor - Drive and Shaft 58 Compressor Drive and Shaft, Air Conditioning 58-59 Air Shut-Off, Blower Air Inlet 40-41 Axle, Rear 1-3 Axle, Axle, Rear 1-3 Axle, A	Accelerator and Rods	38	Connectors, Wire	36
Accumulator. Control Valve and Lever - Clutch 12-14 and Breather 37 Air Blower, Inlet 40-41 Cylinder, Clutch Control 11-12 Air Brake Lines 7-8 Air Cleaner 41 Differential Carrier Assembly 1-3 Air Conditioning 57-59 Drive, Accessory 52-56 Air Conditioning Compressor - Drive and Shaft 58 Drive and Shaft 58 Drive Mounting and Idler Pulley, Compressor 58-59 Air Governor 4-5 Drive and Shaft, Air Conditioning Compressor 58-59 Air Shut-Off, Blower Air Inlet 40-41 Axle, Rear 1-3 Electrical 23-36 Block, Pillow - W/Bracket and Idler Pulley (Engine Cooling) 21-22 Elower Air Inlet - Air Shut-Off 40-41 Exhaust 41 Brakes 4-8 Brake Lines, Air 7-8 Fan Invie, Universal Assembly 19-20 Buzzer, Fuses and Relay, Junction Panels 34-35 Fuel Mounting 43 Carrier Assembly, Differential 1-3 Cleaner, Air 41 Fuel Filter, Fuel 40-41 Clutch Accumulator, Control Valve and Lever 12-14 Compressor Drive Mounting 58-59 Compressor Drive Mounting 58-59 Compressor Drive Mounting 58-59 Compressor Drive Mounting 58-59 Compressor Drive and Shaft, Air Conditioning 58 Control Cylinder 11-12 Compressor Drive Mounting 58-59 Compressor Drive Mounting 58-59 Control Cylinder, Clutch 9-11 Gear Shift Lever and Control, Clutch 9-11 Gear Shift Lever and Control, Control, Clutch 9-11 Gear Shift Lever and Control, Control, Clutch 9-11 Gear Shift Lever and Contections 57-28 Governor, Air 4-5 G		38	Cooling	15-22
Lever - Clutch	•	i	Crankcase Ventilator, Oil Filter	
Air Blower, Inlet Air Brake Lines Air Cleaner Air Compressor Air Compressor Air Conditioning Air Compressor Drive Mounting and Idler Pulley, Compressor Drive and Shaft, Air Conditioning Compressor Air Air Conditioning Air			and Breather	37
Air Brake Lines Air Cleaner Air Cleaner Air Compressor Air Conditioning Air Compressor Air Conditioning Air Compressor Drive Accessory Drive Mounting and Idler Pulley, Compressor Drive and Shaft, Air Conditioning Compressor 58-59 Drive Accessory Drive Mounting and Idler Pulley Compressor Drive Mounting and Idler Pulley Drive Mounting and Idler Pulley Air Conditioning A		40-41	Cylinder, Clutch Control	11-12
Air Cleaner 41 Differential Carrier Assembly 1-3 Air Compressor 52-56 Air Shut-Off, Blower Air Inlet 40-41 Compressor Air Shut-Off, Blower Air Inlet 40-41 Compressor Air Shut-Off, Blower Air Inlet 40-41 Compressor Axle, Rear 1-3 Compressor 58-59 Block, Pillow - W/Bracket and Idler Pulley (Engine Cooling) 21-22 Engine Mounting 37-38 Blower Air Inlet - Air Shut-Off 40-41 Engine Stabilizer 39 Blower Air Inlet - Air Shut-Off 40-41 Engine Stabilizer 39 Body 52-56 Engine Stabilizer 39 Brakes 4-8 Fan Drive, Universal Assembly 19-20 Brakes Lines, Air 7-8 Fan Drive, Universal Assembly 19-20 Buzzer, Fuses and Relay, Junction Panels 34-35 Filter, Puel 40 Buzzer, Fuses and Relay, Junction Panels Fuel Filter 40 Clutch 9-14 Fuel Filter 40 Glearer, Air 41 Fuel Injector 41 </td <td></td> <td></td> <td>•</td> <td></td>			•	
Air Compressor Air Conditioning 57-59 Air Conditioning Compressor - Drive and Shaft 58 Air Governor 4-5 Air Shut-Off, Blower Air Inlet 40-41 Axle, Rear 1-3 Block, Pillow - W/Bracket and Idler Pulley (Engine Cooling) 21-22 Blower Air Inlet - Air Shut-Off 40-41 Body 52-56 Brakes 4-8 Brake Lines, Air 7-8 Brake Lines, Air 7-8 Fran and Drive Mounting 19-20 eather and Oil Filter, Crankcase Ventilator 37 Buzzer, Fuses and Relay, Junction Panels 41 Cleaner, Air 9-14 Clutch Accumulator, Control Valve and Lever 12-14 Clutch Control Cylinder 11-12 Compressor Drive Mounting and Idler Pulley, Se-59 Compressor Drive Mounting and Idler Pulley, Compressor Drive Mounting 18 Drive Mounting and Idler Pulley, Compressor Drive Mounting 18 A-55 Drive, Accessory 58-59 Drive Mounting and Idler Pulley, Compressor Drive Mounting 18 A-55 Drive Mounting and Idler Pulley, Compressor Drive 18 Brake Lines, Air 6-7 Crankcase Ventilator 37 Fan and Drive Engine Mounting 19-20 Exhaust 41 Fan and Drive Inlet 19-22 Fan Gear Box Fan Support Assembly 19-20 Fan Gear Box Fan Fuel Injector 41 Fuel Injector 41 Fuel Injector 41 Gear Box, Fan 18-19 Gear Shift Lever and Control, Transmission 50 Generator 25-28 Governor, Air 6-7 Transmission 50 Generator 32-28 Governor, Air 4-5 Control Cylinder, Clutch 11-12 Fittings 40 Fittings 40 Fuel Lines 57 Fuel Fuel Lines 50 Fuel Fuel Fuel Fuel Fuel 50 Fuel Fuel 50 Fuel Fuel 50 Fuel Fuel 50 F		41	Differential Carrier Assembly	1-3
Air Conditioning		6-7	Doors	52-56
Air Conditioning Compressor Drive and Shaft Air Governor Air Shut-Off, Blower Air Inlet Axle, Rear Block, Pillow - W/Bracket and Idler Pulley (Engine Cooling) Blower Air Inlet - Air Shut-Off Brakes Brake Lines, Air reather and Oil Filter, Crankcase Ventilator Buzzer, Fuses and Relay, Junction Panels Clautch Accumulator, Control Valve and Lever Compressor Valve and Shaft, Air Conditioning Drive Mounting and Idler Pulley, Compressor 58-59 Drive And Shaft, Air Conditioning Compressor Electrical Engine Mounting 37-38 Engine Stabilizer 39 Exhaust 41 Engine Mounting 37-38 Engine Stabilizer 39 Engine Stabilizer 39 Engine Stabilizer 39 Engine Stabilizer 39 Engine Mounting 37-38 Engine Mounting 19-20 Exhaus Engine Mounting	-	57-59	Drive, Accessory	38
Drive and Shaft Air Governor Air Shut-Off, Blower Air Inlet Axle, Rear 1-3 Block, Pillow - W/Bracket and Idler Pulley (Engine Cooling) Brakes Brakes Brakes Brakes Brakes Brake Lines, Air Cankcase Ventilator Carrier Assembly, Differential Cleaner, Air Clutch Accumulator, Control Valve and Lever Control, Clutch Control Cylinder, Clutch Control Cylinder, Clutch Control, Clutch Control, Clutch Control, Clutch Control Cylinder, Clutch Control, Clutch Control, Clutch Control, Clutch Control Cylinder, Clutch Control, Clutch Control Cylinder, Clutch Control, Clutch Control Cylinder, Clutch Control, Clutch Clutch Accumulator Clutch Accumulator Clutch Accumulator Clutch Control Clutch Accumulator Clutc	•	•	Drive Mounting and Idler Pulley,	
Air Governor Air Shut-Off, Blower Air Inlet 40-41 Axle, Rear Block, Pillow - W/Bracket and Idler Pulley (Engine Cooling) Blower Air Inlet - Air Shut-Off 40-41 Body 52-56 Brakes 4-8 Brake Lines, Air 7-8 Fan Drive, Universal Assembly 19-20 Fan Gear Box 18-19 Fuel Filter, Fuel 40-41 Clutch Assembly, Differential 1-3 Cleaner, Air 41 Clutch Assembly 9 Clutch Control Valve and Lever, Clutch Clutch 9-11 Compressor Drive Mounting 37-38 Control Clylinder, Clutch 11-12 Control Cylinder, Clutch 11-14 Clutch Accumulator 12-14 Clutch Control Cylinder, Clutch 12-14 Clutc		58		58-59
Air Shut-Off, Blower Air Inlet 40-41 Axle, Rear Shock, Pillow - W/Bracket and Idler Pulley (Engine Cooling) 21-22 Blower Air Inlet - Air Shut-Off 40-41 Exhaust 41 Body			<u>-</u>	
Axle, Rear 1-3			Compressor	58
Electrical 23-36 Block, Pillow - W/Bracket and Idler Pulley (Engine Cooling) 21-22 Blower Air Inlet - Air Shut-Off 40-41 Body 52-56 Brakes 4-8 Fan and Drive 18 Brake Lines, Air 7-8 Fan Drive, Universal Assembly 19-20 reather and Oil Filter, Crankcase Ventilator 37 Buzzer, Fuses and Relay, Junction Panels 34-35 Filter, Fuel 40 Carrier Assembly, Differential 1-3 Fuel Filter, Fuel 40 Cleaner, Air 41 Fuel Injector 41 Clutch Accumulator, Control Valve and Lever 12-14 The Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Compressor Drive Mounting and Idler Pulley 58-59 Compressor Drive and Shaft, Air Conditioning 58 Control Assembly, Vernatherm 16 Control Cylinder, Clutch 11-12 Control, Chutch Control Cylinder, Clutch 11-12 Control, Clutch Seemily, Vernatherm 16 Control Cylinder, Clutch 11-12 Control Cylinder, Clutch 11-12 Control, Throttle 39 Steering 43-44 Engine Mounting 58-59 Engine Stabilizer 39 Bengine Stabilizer 39 Engine Stabilizer 39 Engine Mounting 58 Engine Mounting 58 Fan and Drive Exhaust 41 Exhaust 51 Engine Mounting 58 Fan and Drive 18 Engine Mounting 58 Fan and Drive 18 Fan Drive, Universal Assembly 19-20 Fan Support Assembly 19-20 Fan Drive, Universal Assembly 19-20 Fan Support Assembly 19-20 Fan			•	
Idler Pulley (Engine Cooling) 21-22 Blower Air Inlet - Air Shut-Off 40-41 Body Brakes 4-8 Brakes 4-8 Brake Lines, Air 7-8 reather and Oil Filter, Crankcase Ventilator 37 Buzzer, Fuses and Relay, Junction Panels 34-35 Cleaner, Air 41 Cleaner, Air 41 Clutch Accumulator, Control Valve and Lever 12-14 Compressor Drive Mounting and Idler Pulley Compressor Drive Mounting Control, Clutch Assembly, Vernatherm Control, Clutch Control Cylinder, Clutch 11-12 Control Valve and Lever, Clutch Accumulator 12-14 Clutch Palley, Compressor Drive and Lever, Clutch Accumulator 12-14 Clutch Compressor Drive Compressor Drive and Lever, Clutch Accumulator 12-14 Clutch Compressor Drive Compressor Drive and Lever, Clutch Accumulator 12-14 Clutch Compressor Drive Compressor Drive and Lever, Clutch Accumulator 12-14 Clutch Compressor Drive	111110, 1(001)	-	Electrical	23-36
Idler Pulley (Engine Cooling) 21-22 Blower Air Inlet - Air Shut-Off 40-41 Body 52-56 Brakes 4-8 Brake Lines, Air 7-8 Fan Drive, Universal Assembly 19-20 reather and Oil Filter, Crankcase Ventilator 37 Buzzer, Fuses and Relay, Junction Panels 34-35 Cleaner, Air 41 Cleaner, Air 41 Cleaner, Air 41 Clutch Accumulator, Control Valve and Lever 12-14 Clutch Control Cylinder 11-12 Compressor Drive Mounting and Idler Pulley Control Assembly, Vernatherm Control, Clutch Control, Clutch Control, Clutch Senebly, Vernatherm Control Cylinder, Clutch 11-12 Control Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive Tengine Stabilizer Exhaust Al Exhaust Fan Drive, Universal Assembly 19-20 Fan Gear Box, Fan Drive Incel Filter, Fuel Fuel Lines Gear Box, Fan Engine Stabilizer Ad Gear Box 18-19 Gear Box Fan Gear Box Fan Gear Box Fuel Lines Gear Box Fan Guer Box Fan Gear Box Fan	Block Pillow - W/Bracket and		Engine Mounting	37-38
Blower Air Inlet - Air Shut-Off 40-41 Body 52-56 Brakes 4-8 Brake Lines, Air 7-8 Fan Drive, Universal Assembly 19-20 reather and Oil Filter, Crankcase Ventilator 37 Buzzer, Fuses and Relay, Junction Panels 34-35 Filter, Fuel 40 Carrier Assembly, Differential 1-3 Cleaner, Air 41 Cleaner, Air 41 Clutch Accumulator, Control 7 Valve and Lever 12-14 Clutch Control Qulinder 11-12 Compressor Drive Mounting and Idler Pulley Control Assembly, Vernatherm 16 Control Cylinder, Clutch 11-12 Cylitch Accumulator 12-14 Cylitch Compressor Drive		21-22		39
Body 52-56 Brakes 4-8 Brake Lines, Air 7-8 Fan Drive, Universal Assembly 19-20 reather and Oil Filter, Crankcase Ventilator 37 Buzzer, Fuses and Relay, Junction Panels 34-35 Fuel 40 Carrier Assembly, Differential 1-3 Cleaner, Air 41 Clutch 9-14 Fuel Lines Fuel Lines Clutch Accumulator, Control Valve and Lever 12-14 Clutch Control Cylinder 11-12 Compressor, Air 6-7 Compressor, Air 6-7 Compressor Drive Mounting and Idler Pulley Control Assembly, Vernatherm 16 Control Cylinder, Clutch 9-11 Control Control Cylinder, Clutch 11-12 Control Control Cylinder 16 Control Cylinder 16 Control Cylinder 17 Control Cylinder 16 Control Cylinder 17 Control Cylinder 17 Control Cylinder 18 Control Assembly, Vernatherm 16 Control Cylinder, Clutch 11-12 Cylitch Accumulator 12-14 Control Cylinder, Compressor Drive	, , ,		-	41
Brakes 4-8 Fan and Drive 18 Brake Lines, Air 7-8 Fan Drive, Universal Assembly 19-20 reather and Oil Filter, Crankcase Ventilator 37 Fan Support Assembly 22 Buzzer, Fuses and Relay, Junction Panels 34-35 Filter, Fuel 40 Carrier Assembly, Differential 1-3 Fuel Filter, Fuel 40 Cleaner, Air 41 Fuel Injector 41 Clutch Clutch Accumulator, Control Valve and Lever 12-14 Fuses, Junction Panels, Buzzer and Relay 34-35 Clutch Assembly 9 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Introl Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive				
Brake Lines, Air 7-8 Fan Drive, Universal Assembly 19-20 reather and Oil Filter, Crankcase Ventilator 37 Fan Support Assembly 22 Buzzer, Fuses and Relay, Junction Panels 34-35 Filter, Fuel 40-41 Carrier Assembly, Differential 1-3 Fuel Filter 40 Cleaner, Air 41 Fuel Lines 40 Clutch Accumulator, Control Fuses, Junction Panels, Buzzer 41 Fuel Lines 40 Clutch Assembly 9 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Transmission 50 Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive Mounting 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power 55-50 Control Assembly, Vernather 39 Steering 43-44 Idler Pulley, Compressor Drive and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	· · · · · · · · · · · · · · · · · · ·		Fan and Drive	18
reather and Oil Filter, Crankcase Ventilator S7 Fan Support Assembly Filter, Fuel Junction Panels Junction Panels S4-35 Fuel Carrier Assembly, Differential Cleaner, Air Clutch Clutch Clutch Accumulator, Control Valve and Lever Compressor, Air Compressor Drive Mounting and Idler Pulley Compressor Drive and Shaft, Air Conditioning Control Cylinder, Clutch Control Valve and Lever, Clutch Accumulator Control Valve and Lever, Clutch Accumulator Clutch Compressor Drive Compressor Drive Control Cylinder, Clutch Control Cylinder, Clutch Control Cylinder, Clutch Control Valve and Lever, Clutch Accumulator Control Valve and Lever, Clutch Accumulator Control Cylinder, Compressor Drive Control Cylinder, Clutch Clutch Accumulator Control Cylinder, Clutch Clutch Control Cylinder, Clutch Clutch Control Cylinder, Clutch Clutch Control Cylinder, Clutch Cylinder Cyli				19-20
Crankcase Ventilator 37 Fan Support Assembly 22 Buzzer, Fuses and Relay, Junction Panels 34-35 Filter, Fuel 40 Carrier Assembly, Differential 1-3 Fuel Filter 40 Cleaner, Air 41 Fuel Injector 41 Clutch Q-14 Fuel Lines 40 Clutch Accumulator, Control Fuses, Junction Panels, Buzzer 40 Clutch Assembly 9 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Transmission 50 Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting and Idler Pulley 58-59 Governor, Air 4-5 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water 50 Control, Clutch 9-11 Fittings 17-18 Control, Clutch 11-12 Hydraulic Fluid Pump, Power 50 Control, Throttle 39 Steering 43-44 Ontrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive		, 0		18-19
Buzzer, Fuses and Relay, Junction Panels 34-35 Filter, Fuel 40-41 Carrier Assembly, Differential 1-3 Cleaner, Air Clutch Clutch Clutch Accumulator, Control Valve and Lever Clutch Assembly Clutch Control Clutch Control Compressor, Air Compressor Drive Mounting and Idler Pulley Control Assembly, Vernatherm Control, Clutch Control, Transmission Control, Clutch Control, Clutch Control, Clutch Control, Clutch Control, Clutch Control, Throttle 39 Steering Filter, Fuel 40-41 40-41 40-41 Fuel Lines Fuses, Junction Panels, Buzzer and Relay 34-35 Cear Box, Fan Cear Shift Lever and Control, Transmission Generator Coerrator Covernor, Air 4-5 Covernor, Air 4-5 Covernor, Air Control, Clutch Fittings 17-18 Control, Clutch Control, Throttle 39 Steering 43-44 Toller Pulley, Compressor Drive		37	_	22
Junction Panels Junction Panels Junction Panels Junction Panels Junction Panels Fuel Fuel Fuel Junction Panels Fuel Fuel Junction Panels Junction Panels Fuel Junction Panels Junu		٥.	- -	40
Fuel Fuel 40-41 Carrier Assembly, Differential 1-3 Fuel Filter 40 Cleaner, Air 41 Fuel Injector 41 Clutch 9-14 Fuel Lines 40 Clutch Accumulator, Control Fuses, Junction Panels, Buzzer and Relay 34-35 Clutch Assembly 9 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Transmission 50 Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power 50 Control, Throttle 39 Steering 43-44 Throl Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive		34-35	·	.43
Cleaner, Air 41 Fuel Injector 41 Clutch 9-14 Fuel Lines 40 Clutch Accumulator, Control Fuses, Junction Panels, Buzzer Valve and Lever 12-14 and Relay 34-35 Clutch Assembly 9 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Ontrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	y direction 1 direct			40-41
Cleaner, Air 41 Fuel Injector 41 Clutch 9-14 Fuel Lines 40 Clutch Accumulator, Control Fuses, Junction Panels, Buzzer and Relay 34-35 Clutch Assembly 9 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Throl Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	Carrier Assembly, Differential	1-3	Fuel Filter	40
Clutch Clutch Accumulator, Control Valve and Lever 12-14 Clutch Assembly Clutch Control Clutch Control Clutch Control Compressor, Air Compressor Drive Mounting and Idler Pulley Compressor Drive and Shaft, Air Conditioning Control Assembly, Vernatherm Control, Clutch Control Cylinder Control, Clutch Control Assembly, Vernatherm Control, Clutch Control Cylinder, Clutch Control, Transmission Control Cylinder, Clutch Control Cylinder, Clutch Control, Throttle Control, Throttle Control, Throttle Control, Throttle Control Valve and Lever, Clutch Accumulator 12-14 Fuel Lines Fuses, Junction Panels, Buzzer and Relay Gear Box, Fan Cear Shift Lever and Control, Transmission Coerar Shift Lever and Control, Transmission Control, Air Conerator Coerar Covernor, Air Coerar Shift Lever and Control, Transmission Cenerator Coerar Shift Lever and Control, Transmission Cenerator Cenerator Coerar Shift Lever and Control, Transmission Cenerator Cenerator Coerar Shift Lever and Control, Transmission Cenerator Cenerator Cenerator Cenerator Coerar Shift Lever and Control, Transmission Cenerator Cerar Shift Lever and Control, Transmission Functional States Cenerator Cear Shift Lever and Control, Transmission Functional States Cenerator Cear Shift Lever and Control, Transmission Functional States Cenerator Functional States Cenerato		41	Fuel Injector	41
Clutch Accumulator, Control Valve and Lever 12-14 Clutch Assembly 9 Clutch Control 9-11 Clutch Control Clutch Control Compressor, Air 6-7 Compressor Drive Mounting and Idler Pulley 58-59 Control Assembly, Vernatherm Control, Clutch 9-11 Fuses, Junction Panels, Buzzer and Relay 34-35 Gear Box, Fan 18-19 Gear Box, Fan 18-19 Gear Shift Lever and Control, Transmission 50 Generator 25-28 Governor, Air 4-5 Covernor, Air 4-5 Control Assembly, Vernatherm 16 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Antrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive			•	40
Valve and Lever 12-14 and Relay 34-35 Clutch Assembly 9 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 antrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive		,	Fuses, Junction Panels, Buzzer	
Clutch Assembly 9 Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 antrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	•	12-14	and Relay	34-35
Clutch Control 9-11 Gear Box, Fan 18-19 Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 antrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive			,	
Clutch Control Cylinder 11-12 Gear Shift Lever and Control, Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 antrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	-	•	Gear Box, Fan	18-19
Compressor, Air 6-7 Transmission 50 Compressor Drive Mounting Generator 25-28 and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 ontrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive		-		
Compressor Drive Mounting and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Control Assembly, Vernatherm 16 Control, Clutch 7-11 Control Cylinder, Clutch 11-12 Control, Throttle 39 Steering 43-44 Introl Valve and Lever, Clutch Accumulator 12-14 Compressor Drive Generator Governor, Air 4-5 Heater Pipes and Connections 57 Hose and Surge Tanks, Water Fittings 17-18 Hydraulic Fluid Pump, Power 43-44 Idler Pulley, Compressor Drive	•		Transmission	50
and Idler Pulley 58-59 Governor, Air 4-5 Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Ontrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	=		Generator	25-28
Compressor Drive and Shaft, Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Ontrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	-	58-59	Governor, Air	4-5
Air Conditioning 58 Heater Pipes and Connections 57 Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Ontrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	-			
Control Assembly, Vernatherm 16 Hose and Surge Tanks, Water Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Introl Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	-	58	Heater Pipes and Connections	57
Control, Clutch 9-11 Fittings 17-18 Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Introl Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	•			
Control Cylinder, Clutch 11-12 Hydraulic Fluid Pump, Power Control, Throttle 39 Steering 43-44 Introl Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	-			17-18
Control, Throttle 39 Steering 43-44 ontrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive			_	
Ontrol Valve and Lever, Clutch Accumulator 12-14 Idler Pulley, Compressor Drive	· ·		-	43-44
Clutch Accumulator 12-14 Idler Pulley, Compressor Drive		-,		
50 50		12-14	Idler Pulley, Compressor Drive	
				58-59

INDEX

	Page No.	<u></u>	Page No.
Index	72-73	Radiator	15-16
Injector, Fuel	41	Radiator Latch Lever Assembly	7 17
Instruments	31	Radiator Mounting	17
		Rear Axle	1-3
Junction Panels, Buzzer -		Regulator, Voltage and Current	t 28-31
Fuses and Relay	34-35	Relay, Buzzer and Fuse	
,		Junction Panels	34-35
Lamps, Stop and Tail	23	Rods, Accelerator	38
Lamps, Target and License			
Latch Lever Assembly, Rac		Shaft Assembly, Propeller	51
Lever and Control, Transm		Shaft, Propeller	51
Gear Shift	50	Shutter Assembly	15-16
License and Target Lamps	23	Shut-Off, Air Blower-Inlet	40-41
Lines, Air Brake	7-8	Solenoid	32-34
Lines, Fuel	40	Speedometer	31-32
Lines, Oil	38	Stabilizer, Engine	39
111100 , 111	30	Starting Motor	23-25
Miscellaneous	52-56	Steering	43-44
Muffler Assembly	41	Stop and Tail Lamps	23
Motor, Starting	23-25	Support Assembly, Fan	22
Mounting, Engine	37-38	Switches	34
Mounting, Engine Mounting, Radiator	17	Switches	<i>t</i>
Mounting, Radiator	1 /	Tail and Stop Lamps	25
Numerical Listing of Part		Target and License Lamps	23
Numbers	60-71	Throttle Control	39
Numbers	00-71	Transmission	45-50
Oil Filter and Breather,		Transmission Assembly	45-50
Crankcase Ventilator	37	Transmission Gear Shift -	45-50
Oil Lines	38	Lever and Control	50
Oir Lines	30	Lever and Control	30
Panels, Junction - Buzzer -	-	Universal Assembly, Fan Drive	19-20
Fuses and Relay	3 4- 35		
Part Numbers, Numerical		Valve and Lever, Clutch	
Listing	60-71	Control - Accumulator	12-14
Pillow Block W/Bracket and	i	Vernatherm Control Assembly	16.
Idler Pulley (Engine Cooli	ng) 21-22	Voltage and Current Regulator	28-31
Pipes and Connections, Hea	ter 57	-	
Power Steering Filter	43	Water Fittings, Hose and	
Power Steering Hydraulic		Surge Tanks	17-18
Fluid Pump	43-44	Wiring	35-36
Power Steering Pump	43-44	Wire Connectors	36
Propeller Shaft	51		
Propeller Shaft Assembly	51		
Pump, Power Steering	43-44		
Pump, Power Steering			
Hydraulic Fluid	43-44		
-			



OHIO

SPRING BRAKE ACTUATOR PARKING BRAKE

FOR GREYHOUND CORPORATION PD 4501 SCENICRUISER

DESCRIPTION

GENERAL The spring brake system consists of remote type spring brake actuators and a control valve. This system is intended for use as a parking brake.

The spring brake actuators are attached to the service brake slack adjusters and are operated manually through the control valve.

SPRING BRAKE ACTUATOR The spring brake actuator (Figures

1 & 2) is an air cylinder with large return springs which are compressed by air pressure acting on the actuator's piston. When con-

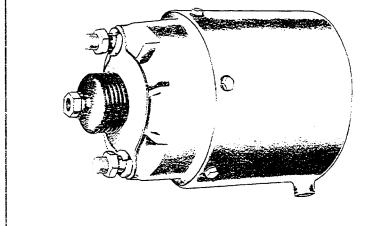


FIGURE 1 - EXTERIOR VIEW SPRING BRAKE ACTUATOR

nected to the service brake slack adjuster releasing the air pressure from the actuator piston will apply the brakes. Restoring air pressure on the piston will release the brakes.

This remote stud mounted spring brake actuator incorporates in design a spring "cell" confine in a cylinder. The cylinder body may be removed from the spring "cell" to service the piston cup without releasing the spring load. A piston rod boot and an O-ring between the cover and cylinder seal the internal parts from water and foreign material.

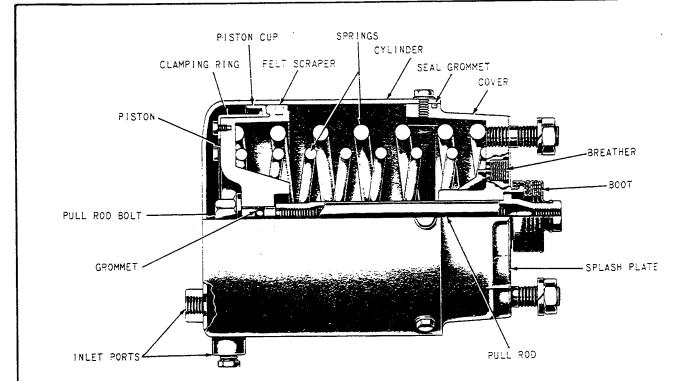


FIGURE 2 - SECTIONAL VIEW SPRING BRAKE ACTUATOR

Printed in U.S.A.

OPERATION The control valve is connected to the parking brake reservoir and to the spring brake actuators.

The service brakes which are connected to the spring brake actuators are applied (pull rod retracted) when there is no air pressure in the actuators. To release the actuators (pull rod extended) the operator builds up the air brake system pressure above 60 psi and positions the control valve lever to "off".

To park the vehicle, the operator positions the spring brake control valve lever to "on". The air pressure in the pilot line between the control valve and quick release valves will exhaust through the control valve. The air pressure in the actuators will then exhaust at the quick release valves and the brakes will be applied by the actuators' pull force at the slack adjusters.

To release the spring brake application the operator positions the control valve lever to "off" and provided there is sufficient system air pressure (above 50 psi) the spring brake actuators will release. If necessary compressed air from an outside source can be supplied through tire valve in parking brake reservoir.

NOTE: SIMULTANEOUS APPLICATION OF PARKING BRAKE AND ICC CUTOUT BRAKE SHOULD NEVER BE MADE AS DAMAGE TO FOUNDATION BRAKES CAN OCCUR.

PREVENTIVE MAINTENANCE Depending upon operating conditions the actuator cylinder should be removed and the felt scraper cleaned, then saturated with clean engine oil and replaced. At the same time the piston cup and the inside of the cylinder should be cleaned and lubricated lightly. Approximately every year the control valve should be disassembled, cleaned, and lubricated. Rubber parts and parts subject to wear in both devices should be replaced if found to be worn or damaged during these maintenance checks. The mechanical linkage should be installed to permit unrestricted full strokes of both the spring brake actuators and the service brake chambers and kept in good adjustment for maximum effectiveness. Drain parking brake reservoir often so that clean dry air is supplied to parking brake actuators. Drain main air system occasionally to be sure check valve on parking brake reservoir is operating properly.

OPERATING AND LEAKAGE TEST

OPERATING a. Wi

- a. With the air brake system pressure at 100 psi the spring brake actuators should be released with control valve lever in "off" position.
- b. With at least 100 psi in vehicle air brake reservoirs and the control valve lever positioned "on", the spring brake actuators should apply.
- c. Stop engine. Position control valve lever "off" and observe that the spring brake actuators release. Repeat to "on" and "off" positions and note that actuators apply and release fully.

LEAKAGE TEST With the spring brake actuator in the released position (pull rod extended) check at the actuator breather or around the splash plate for piston cup or pull rod grommet leakage. Also check the exterior of the cylinder and cover for leakage. Also check at control valve in both "on" and "off" positions. No leakage is permissible.

REMOVING AND INSTALLING

REMOVING SPRING BRAKE ACTUATORS

Block or hold vehicle by some means other than air brakes.

While the spring brake actuator is in the released position, disconnect the linkage between it and the slack adjuster.

Open drain cock and exhaust air pressure from the parking brake system.

Disconnect air line from actuator.

Remove actuator mounting nuts, then actuator.

REMOVING CONTROL VALVE

Block or hold vehicle by some means other than air brakes.

Drain air brake system.

Disconnect air lines from control valve.

- INSTALLING Read schematic drawing 209438 prior to beginning installation. Lay out material in relation to the schematic and follow notes carefully.
 - 1. Remove radius rod anchor plates (right and left) from trailing axle.
 - 2. Install new actuator brackets (right and left) driving brackets over serrations in bolts by tightening nut.
 - 3. Remove slack adjusters from trailing axle (right and left) and install new double arm slack adjusters.
 - 4. Install fittings and quick release valves on spring actuators and mount actuators so that quick release valves are inboard and to rear (right and left Figures 3 & 4).

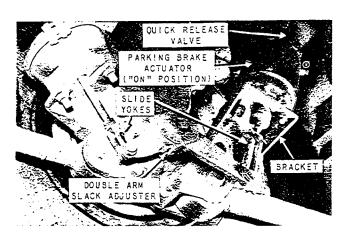


FIGURE 3 - RIGHT SIDE

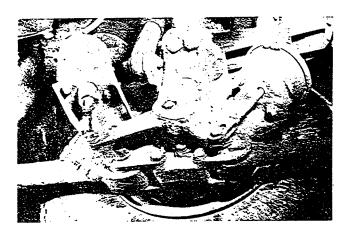


FIGURE 4 - LEFT SIDE

- 5. Locate, drill mounting holes, and mount control line tee as shown on schematic drawing. Install fittings and hoses, using short hose from tee to right spring actuator and long hose from tee to left spring actuator (Figure 5).
- 6. Remove floor panel from ski compartment above left drive wheel and locate, drill mounting holes and mount new reservoir well forward on panel to permit access to drain cock on inboard reservoir. Install fittings, check valve, tire valve, and drain cock as shown in schematic drawing. Reinstall panel and reservoir in coach. (Figure 6).
- 7. Install two-way control valve as shown on drawing (Figure 7).

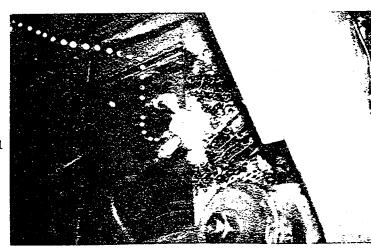


FIGURE 5 - TEE AND HOSES

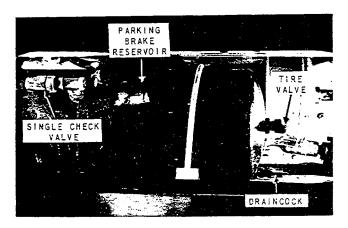


FIGURE 6 - RESERVOIR

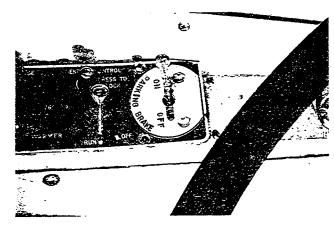
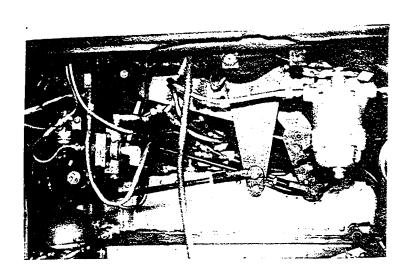


FIGURE 7 - TWO-WAY VALVE

8. Remove hand brake lever and locate, drill mounting holes, and install low pressure indicator as shown on drawing (Figure 8). Wire per Greyhound instructions.



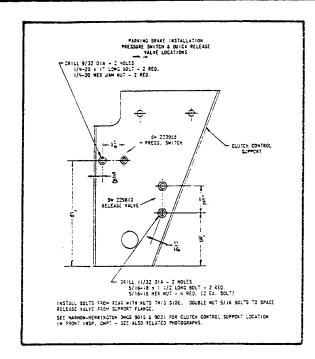
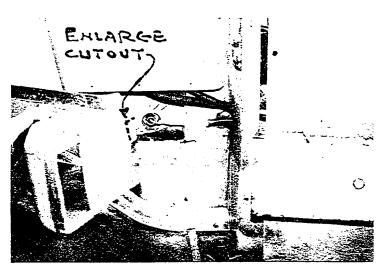
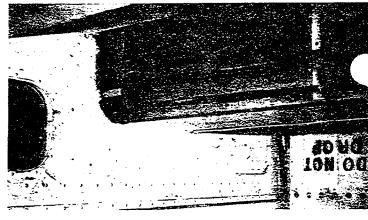


FIGURE 8 - LOW PRESSURE INDICATOR AND QUICK RELEASE VALVE.



INTERIOR VIEW AT DRIVER'S AIR DUCT SHOWING TUBING FROM ELECTRICAL BOX ENTERING HORIZONTAL AIR DUCT.



VIEW INTO FRONT BAGGAGE COMPARTMENT SHOWING ACCESS HOLE INTO BLOWER COMPARTMENT AND TUBING THRU GUSSETS IN CONTROL DUCT (LATER CHANGE: CLIP TO WOOD FLOOR).

FIGURE 9

9. Install tubing and loom as indicated on drawing (Figure 9). Connect all lines as shown on drawing. Follow carefully the notes on parking brake connection procedure on drawing. Check all air lines and devices for leakage. After adjustment make several service brake and parking brake applications and note that adjustment is correct on service brake chambers and spring brake actuators. With 100 psi in air system and engine stopped, parking brake actuators should release at least two times on actuation of the control valve.

DISASSEMBLY

SPRING BRAKE ACTUATOR (Figure 2) Remove cylinder body cap screws and lockwashers.

Remove cylinder body from spring "cell".

Remove cup clamping ring screws, clamping ring and piston cup.

Remove felt oiler and cover sealing ring.

Remove pull rod boot, splash plate and felt breather.

Place the spring "cell" in a vise with pull rod bolt end up

and the hex end of the rod held securely in the vise jaws. SLOWLY AND CAUTIOUSLY, remove the pull rod bolt. This will release the spring load as the bolt is removed.

Remove the springs. Remove the pull rod bolt from the piston. Remove the seal grommet from the pull rod bolt. Remove cover from the pull rod. Take pull rod out of vise.

CLEANING AND INSPECTION Wash all metal parts in a good cleaning solvent and dry. Wipe reusable rubber parts clean.

Inspect all parts for excessive wear or deterioration.

Inspect the inside area of the actuator cylinder for nicks and burrs.

Check springs for cracks, distortion, or corrosion.

Clean and inspect the internal threads of the pull rod and pull rod bolt threads.

Inspect the actuator piston cup and grommet for wear or deterioration. Replace all parts not considered serviceable during these inspections, especially rubber parts.

ASSEMBLY Prior to assembly lubricate the inside of the cylinder and the piston cup with Bendix-Westinghouse recommended lubricant, piece number 240176 (Barium-Base Grease Spec. BW-204-M).

Also, the pull rod bolt threads and grommet, cover seal grommet, piston and cover bores, should all be lubricated with Bendix-Westinghouse recommended lubricant, piece number 240176.

Install pull rod in cover, then clamp hex of rod in vise.

Position springs on cover.

Install pull rod bolt grommet, then bolt with grommet, in piston.

Position and start pull rod bolt in pull rod. Make sure springs properly seat in both the cover and piston as the bolt is turned down.

Recommended torque on the pull rod bolt is 550-600 inch pounds.

Saturate the felt scraper in clean engine oil and install in piston groove.

Install the cover seal grommet.

Install piston cup on piston.

Install the cup clamping ring and tighten the cap screws with lockwashers.

Install the felt breather, splash plate and boot.

Install the cylinder with six (6) cap screws and lockwashers. All cap screws should be tightened even and torqued to between 130 and 170 inch pounds.

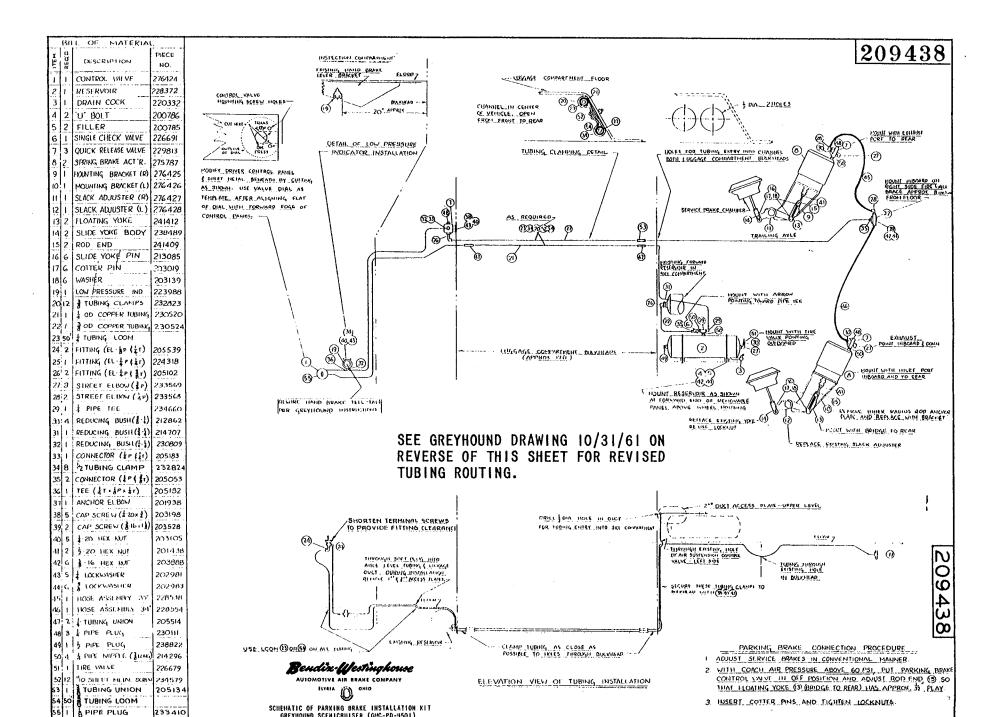
PARTS INFORMATION A complete Bill of Material is shown on schematic drawing 209438. The spring brake actuator is on the back of catalog sheet 4-K-1, copy attached.

The control valve is the same basic valve as is used with the ICC cut-off valve on this coach.

The slack adjusters are the same as currently used, except with 8" welded

arm for spring actuator. The quick release valves are on the back of catalog sheet 4-D-1, copy

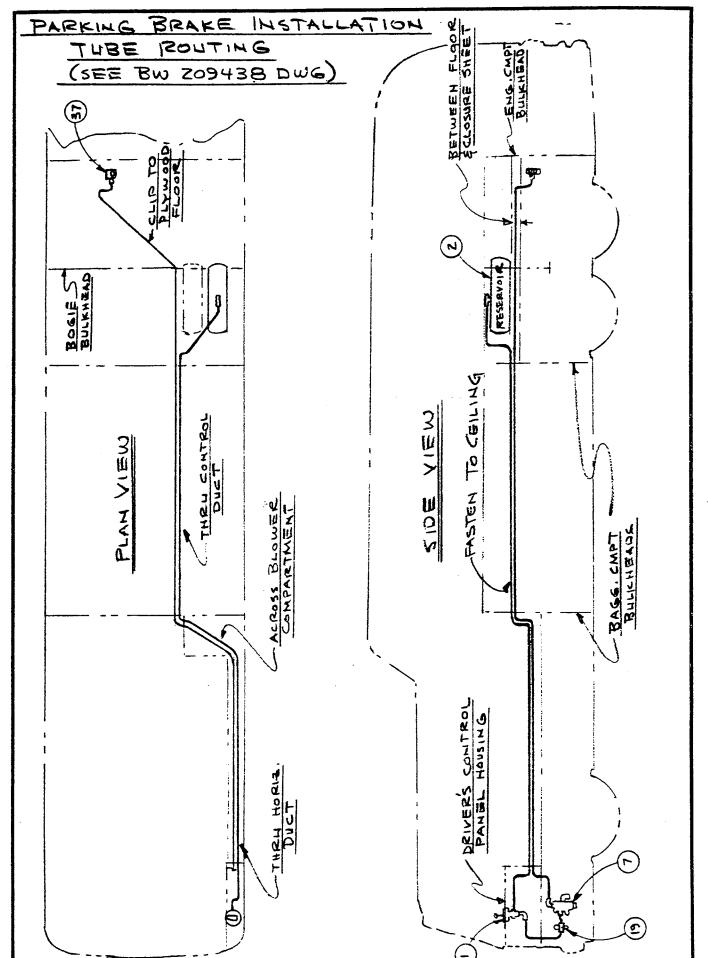
The low pressure indicator is similar to those currently in service, but cut-out setting is 50 psi, as shown on catalog sheet 4-J-1, copy attached.



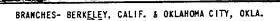
PD-450 | PROJECT NO. CONVERSION PAGE 1 OF 3

F.W.

DATE 10-31-61



PLANT- ELYRIA, OHIO. GENERAL OFFICES AND



CATALOG

4 K

SPRING TYPE BRAKE ACTUATOR

SPRING TYPE BRAKE ACTUATOR Pc. No.				Spring*	STROKE	1	INLET LOCATION
275161	240310	240304	240308	240309	3 1/2"	0	END
275162	240310	240304	240308	240309	3 1/2"	0.	SIDE
275699	240911	240912	240913	240914	3 3/4"	180	S:DE

240312

240313

240316*

203139*

240311

240536

214761*

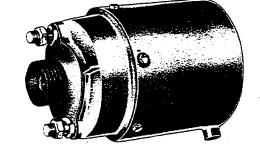
203173*

240550 240555

3

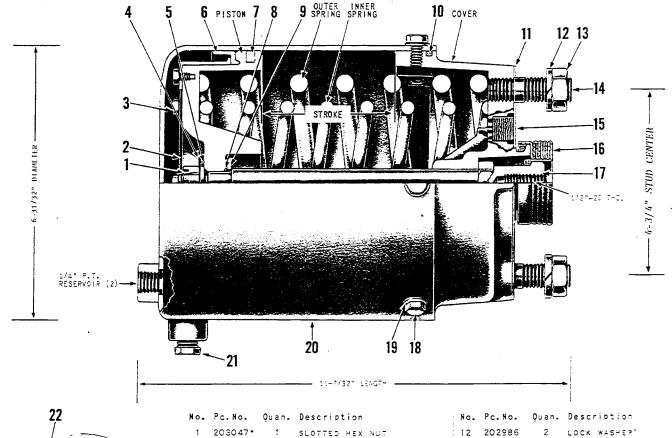
8

10



*See note below.

THE ACTUATORS ON THIS CATALOG ARE SUPERSEDED BY ACTUATORS ON BACK OF THIS SHEET.



CLAMPING RING

WARNING TAG

PLATE WASHER

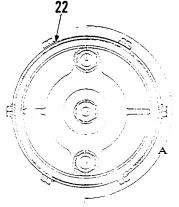
PLATE WASHER

SPLASH GUARD

#10 PAN HO, TAPPING SCREW

PISTON CUP FELT DILER GROMMET, 11/16" D.C.

COVER SEALING RING



STUD END VIEW

NOTE:	A SMALL DUANTITY OF ABOVE ACTUATOR POINGS, WERE EQUIPPED WITH A COTTER PIN TO LOCK THE NUT (ITEM I). SUBSEQUENT ACTUATORS OF THE SAME POINGS, HAVE THE	
	NUT (ITEM I) WELDED TO THE PULL ROD AS SHOWN IN THE VIEW ABOVE. IN SITHER	
	VINTAGE OF ACTUATORS, DO NOT ATTEMPT TO DISASSEMBLE THE SPRING CELL ASSEMBLY	
	WHEN SERVICE REPLACEMENT IS REQUIRED ON ANY OF THE DETAIL ITEMS SHOWN ABOVE	
	WITH AN ASTERISK (*), IT IS RECOMMENDED THAT THE ENTIRE ACTUATOR BE REPLACED WITH EITHER A NEW ACTUATOR OR WITH A REPAIR EXCHANGE, FACTORY RECONDITIONED	
	SALT.	

:3

: 4

: 5

16

17

18

:9 20

22

204781

240538

240556

239496

275430° 203417

201318

275174

230111

239689

NUT

STUD

BOOT

PULL ROD CAP SCREW

CYLINDER

WASHER

FELT BREATHER

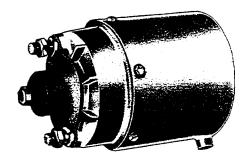
PIPE PLUG. 1/4"

SHAKEPROOF LOCK WASHER

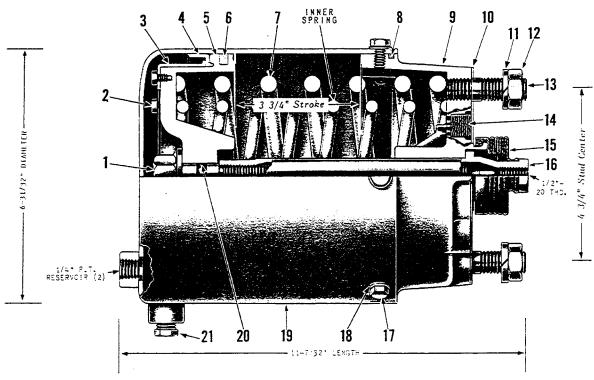
See Catalog 9-V-3 for Values used with these Actuators.



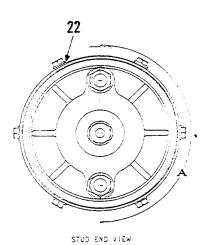
SPRING TYPE BRAKE ACTUATOR



SPRING TYPE BRAKE ACTUATOR	Inner Spring	A DEGREES	INLET LOCATION	SUPERSEDES SPRING TYPE BRAKE ACTUATOR
Pc. No.	Pc.No.			Pc. No.
275787	240914	0	END	275161
275788	240914	0	SIDE	275162
275789	240914	180	SIDE	275699
276180	NONE	0	END	



		•	
No.	Pc. No.	Óπ s υ•	Description
1	240784	1	PULL ROD SOLT
2	240313	8	#10 PAN HD. TAPPING SCREW
3	240312	!	CLAMPING RING
4	240311	1	PISTON CUP
5	240918	i	PISTON
6	240536	1	FELT DILER
7	240913	1	OUTER SPRING
8	240550	:	COVER·SEALING
9	240919	1	COVER
10	240555	1	SPLASH GUARD
1.1	202986	2	LOCK WASHER
12	204781	2	TUN
13	240538	2	\$TUD
14	240556	1	FELT BREATHER
15	239496	Į	SOCT
16	240783	:	PULL ROD
17	240730	6	CAP SCREW
18	201318	6	SHAKE PROOF LOCK WASHER
19	275174	1	CYLINDER
20	239136	ī	GROMMET, 3/- " 0.0.
21	230111	1	PIPE PLUG. 4"
22	239689	2	WASHER



See Catalog 9-V-3 for Values used with these Actuators.

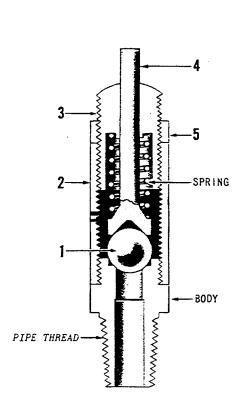
August, 1961 4-K-13

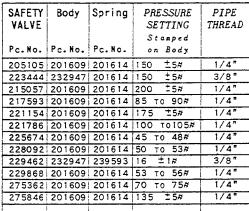
BRANCHES- BERKELEY, CALIF. & OKLAHOMA CITY, OKLA.

CATALOG

4 D 1

SAFETY VALVES





No.	Pc. No	. Onan.	Descri	ntion
по.		· vuan.	DE2C11	D C I O II

ĭ	213203	1	STEEL BALL
2	201610	1	SPRING CACE

3 201611 1 ADJUSTING NUT

4 240517 1 RELEASE PIN

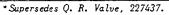
5 201612 1 LOCK NUT



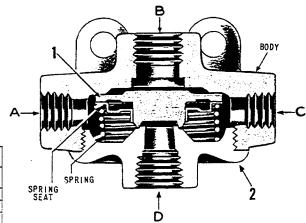
QUICK RELEASE VALVES

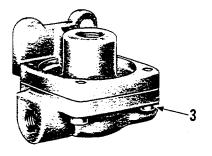


QUICK RELEASE VALVE	Body	Spring	Spring Seat	POI	RT P.	T. SI.	ZES
Pc. No.	Pc. No.	Pc.No.	Pc. No.	A	В	С	D
205000	204847	202588	202587	1/4"	3/8"	1/4"	3/8"
221992*	230931	202588	202587	1/4"	1/2"	1/4"	3/8"
224417	234072	202588	202587	3/8"	3/8"	3/8"	3/8"
227688	230931	202588	237372	1/4"	1/2"	1/4"	3/8"
228691	239049	202588	202587	3/8 "	1/2"	3/8"	3/8"
228955	204847	203373	237372	1/4"	3/8"	1/4"	3/8"
229095	230931	203373	237372	1/4"	1/2"	1/4"	3/8"



No. Pc. No. Quan. Description 237925 1 DIAPHRAGM 211028 COVER



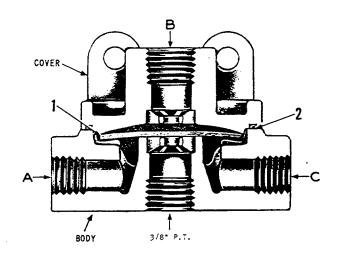


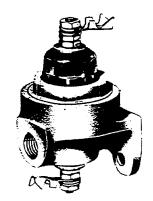
QR-I QUICK	Body	Cover	PORT	P. T.	SIZES
RELEASE VALVE	Pc. No.	Pc. No.	A	В	С
229813	240003	240005	1/4"	3/8"	1/4"
229844	240003	240006	1/4"	1/2"	1/4"
229859	240004	240005	3/8"	3/8"	3/8"
229860	240004	240006	3/8"	1/2"	3/8"

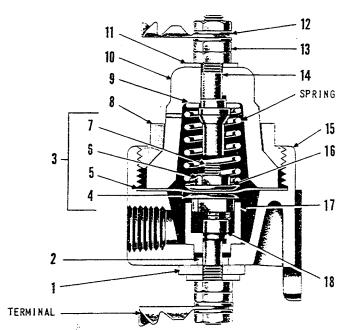
No. Pc.No. Quan. Description

GROMMET. 2 1/4" O.D. MACHINE SCREW 240013

240012





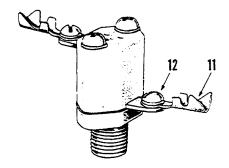


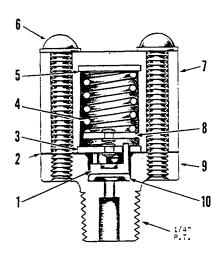
Spring	Terminal 2 Reç'd.	CUT-OUT PRESSURE (Lbs. per Sq.In.)	SUPERSEDES LOW PRESSURE INDICATOR
Pc. No.	Pc.No.		Pc.No.
233114	203063	60 ±5	215186
233114	NONE	60 -5 -c	222137
233582	203063	30 +6 -6	221781
233583	203063	50 +5 -5	223313
233114	NONE	70 ⁻⁶	
233582	NONE	30 -6	
	Pc.No. 233114 233114 233582 233583 233114	Pc. No. Pc. No. 233114 203063 233114 NONE 233582 203063 233583 203063 233114 NONE	2 Req'd. PRESSURE (Lbs. per Sq.In.) Pc.No. Pc.No. 233114 203063 60 -5 233114 NONE 60 -5 233582 203063 30 -6 233583 203063 50 -5 233114 NONE 70 -6

No.	Pc.No.	Quan.	Description	No.	Pc. No.	Quan.	Descripti	on
1	203057	1	TERMINAL WASHER	11	203247	2	CLAMPING	WASHER
2	232068	1	GROMMET	12	203058	4	WASHER	
3	223580	i	DIAPHRAGM ASSEMBLY	13	203059	6	NUT	
4	233108	1	DIAPHRAGM WASHER	14	233111	1	TERMINAL	SCREW
5	213227	!	DIAPHRAGM	15	233103	1	BODY	
6	203059	1	NUT	16 -	233112	*	SHIM	
7	223581	1	CONTACT SCREW	10	233113	•	SHIM	
8	233115	1	COVER RETAINER	17	233104	1	TERMINAL	BUSHING
9	233110	1	WASHER	18	223579	1	TERMINAL	SCREW
10	233109	1	COVER					

^{*} Use if necessary to obtain Cut-Out Pressure required,

LOW PRESSURE INDICATOR





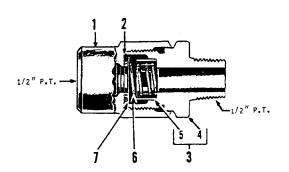
LOW PRESSURE INDICATOR (Cut Out Pressure 60 +6 -6 P.S.I.)

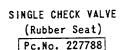
Pc.No. 228750

No.	Pc. No.	Quan.	Description
1	239102	1	PISTON
2	239103	1	GASKET
3	228748	1	CONTACT PLATE
4	239107	1	SPRING
	239 108	•	SHIM010"
5 -	239804	•	shim004"
6	238963	2	MACHINE SCREW & L.W.
7	239109	1	COVER
8	228749	1	CONTACT DISC
9	239100	1	BODY
10	239101	1	O" RING DIAPHRAGM
11	203063	2	TERMINAL
12	239110	2	MACHINE SCREW & L.W.

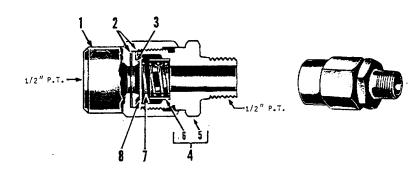
4-J-18

SINGLE CHECK VALVES



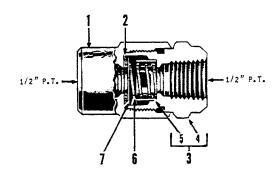


		PC.NO.	22//88
No.	Pc. No.	Quan.	Description
1	237990	1	BODY
2	237995	1	VALVE SEAT
3	227718	1	SCREW CAP ASSEMBLY
4	238007	1	SCREW CAP
5	237989	1	VALVE STOP BUSHING
6	237994	1	SPRING
7	237996	1	DISC VALVE



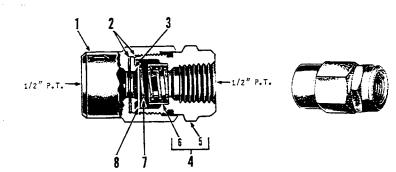
(Steel Seat)

		PC.No.	22//1/
No.	Pc. No.	Quan.	Description
1	237990	1	BODY
2	238179	2	WASHER
3	237992	1	VALVE SEAT
4	227718	1	SCREW CAP ASSEMBLY
5	238007	1	SCREW CAP
6	237989	1	VALVE STOP BUSHING
7	237994	1	SPRING
8	238197	i	DISC VALVE



SINGLE CHECK VALVE (Rubber Seat)

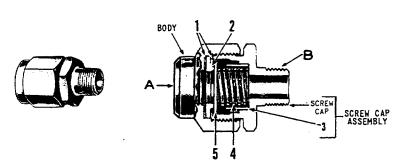
		Pc.No.	227704
No.	Pc.No.	Quan.	Description
1	237990	1	BODY
2	237995	1	VALVE SEAT
3	227705	1	SCREW CAP ASSEMBLY
4	237988	1	SCREW CAP
5	237989	1	VALVE STOP BUSHING
6	237994	1	SPRING
7	237996	ī	DISC VALVE



SINGLE CHECK VALVE (Steel Seat)

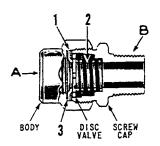
		Pc. No	227703
No.	Pc. No.	Quan.	Description
1	237990	1	BODY
2	238179	2	WASHER
3	237992	1	VALVE SEAT
4	227705	1	SCREW CAP ASSEMBLY
5	237988	1	SCREW CAP
6	237989	1	VALVE STOP BUSHING
7	237994	1	SPRING
8	238197	1	DISC VALVE

SINGLE & DOUBLE CHECK VALVES



VALVE (Steel Seat) Pc.No.		Screw Cap Assembly Pc.No.	Screw Cap Pc. No.	PIPE THREAD	PIPE THREAD
227856	238 160	227867	238158	3/8"	3/8 "
227866	238161	227868	238159	1/2"	1/2"

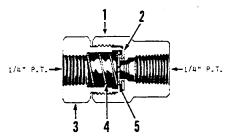
No.	Pc. No.	Quan.	Description
1	239222	1	WASHER
2	237992	1	VALVE SEAT
See	Schedule	1	SCREW CAP ASSEMBLY
See	Schedule	1	SCREW CAP
3	237989	1	VALVE STOP BUSHING
4	239263	t	SPRING
5	238197	1	DISC VALVE
			•

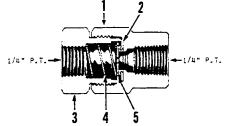


SINGLE CHECK VALVE (Brass Seat)	Body	Screw Cap	Disc Valve	A PIPE THREAD	B PIPE THREAD
Pc.No.	Pc. No.	Pc. No.	Pc. No.		
228194	238165	238171	239262	1/2"	1/2"
228195	238164	238170	239262	3/8"	3/8"
229595	238165	238171	239744	1/2"	1/2"

No.	Pc.No.	Quan.	Description
1	239085	1	VALVE SEAT
2	239263	1	SPRING
3	238603	1 .	WASHER

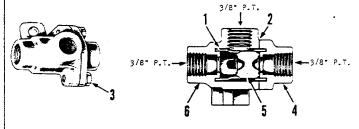






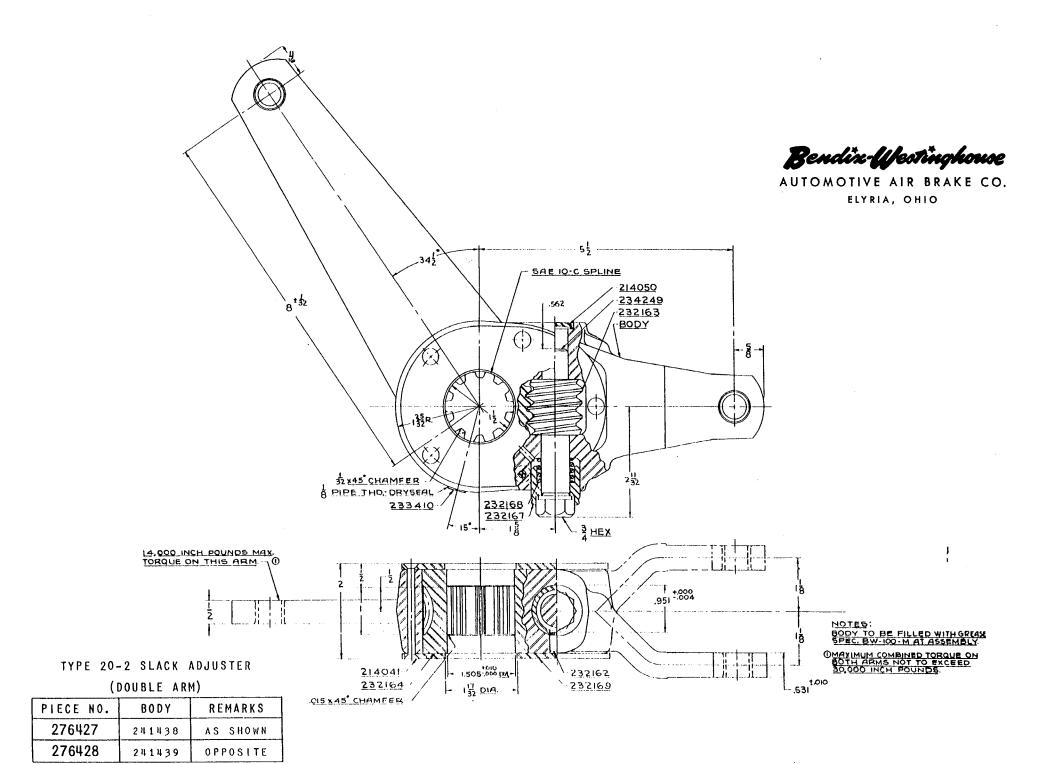
SINGLE CHECK VALVE

Pc.No. 226691								
No.	Pc.No.	Quan.	Description					
1	236742	1	BODY					
2	236743	1	VALVE SEAT					
3	236746	1	CAP NUT					
4	236745	1	SPRING					
5	236744	1	DISC VALVE					



DOUBLE CHECK VALVE Pc.No. 229521

No.	Pc. No.	Quan.	Description
1	239949	1	SHUTTLE GUIDE
2	237495	1	GASKET
3	237498	2	MACHINE SCREW & L.W.
4	239673	1	CAP
5	237497	1	SHUTTLE VALVE
6	239672	1	BODY

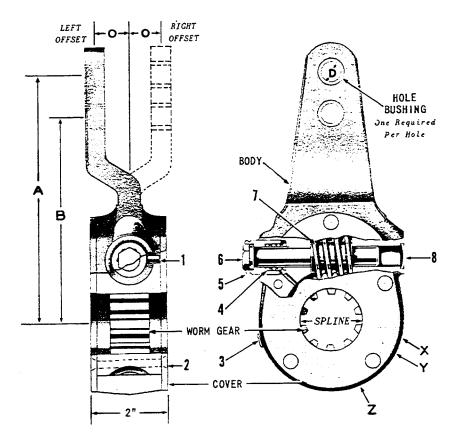


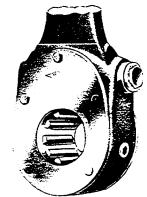
BRAKE G.
BRAKE G.
BRAKE G.
BRAKE G.

GENERAL OFFICES AND PLANT- ELYRIA, OHIO.

CATALOG 8-20-1

TYPE 20 SLACK ADJUSTER OFFSET ARM





No.	Pc.No.	Quan.	Description
1	232162	1	PIN
2	214041	5	RIVET
3	233410	1	PIPE PLUG. 1/8"
4	232168	1 .	WORM LOCK SPRING
5	232167	1	WORM SHAFT LOCK
6	234249	1	WORM SHAFT
7	232163	1	WORM
8	214050	1	WELCH PLUG

See Schedule on back of Page.

TYPE 20 SLACK ADJUSTER OFFSET ARM

	Worm	Cover	Hole	D	Body	Body	0	ARM L	
ADJUSTER	Gear	2 Req'd.	Bushing	HOLE	Left	Right	OFFSET	SPLINE CENTER	TO HOLE CENTER
			1 Per Hole		Offset		DIM'N.	A	В
Pc.No.	Pc. No.	Pc.No.	Pc. No.	I.D.	Pc.No.	Pc. No.		1st Hole	2nd Hole
223204		.232170	20 1 2 2 5	. 503"	232271	• •	1 1/8"	5 "	
223203	232165	232170	201225	. 50 3 "		232270	1 1/8"	5 "	
227106		232170	201225	. 50 3 "	237319	• -	1 1/8"	6"	5 "
227105	1 1/4"	232170	201225	.503"		237320	1 1/8"	6 "	5"
	SPLINE								
222971		232169	201225	. 50 3 "	232271		1 1/8"	5 "	••
222970		232169	201225	. 50 3 "		232270	1 1/8"	5"	
222961		232169	201225	. 503"	232315	••	1 1/2"	5 "	
222960		232169	201225	. 503"		232314		5 "	•
222959		232169	201225	. 50 3 "	232261		1 1/2"	5 1/4"	
222958		232169	201225	. 503 "	• •	232260	1 1/2"	5 1/4"	
A 223260		232169	201225	. 503"	232754		1 1/2"	5 1/4"	
A 223259		232169	201225	. 50 3 "		232753	1 1/2"	5 1/4"	
222969		232169	201225	. 50 3 "	232269	• •	1 1/8"	5 1/2"	
222968		232169	201225	.503"		232268	1 1/8"	5 1/2"	
223052		232169	201225	. 503"	232422		1 1/2"	5 1/2"	••
223051		232169	201225	. 50 3 "	••	232421		5 1/2"	
B 223532		232169	201225	. 503"	233039		1 1/2"	6 "	
B 223533		232169	201225	. 503"	• -	233040	1 1/2"	6 "	
C 223477		232169	201225	. 50 3 "	232982		1 1/2"	6"	
C 223476		232169	201225	. 503"		232981	1 1/2"	6 "	
222955	232164	232169	201225	. 503"	232257		1 1/2"	6 "	
222954	232104	232169	201225	. 503 "		232256	1 1/2"	6 "	
222967	1 1/2"	232169	201225	. 50 3 "	232267		1 1/8"	6"	
222966	SPLINE	232169	201225	. 50 3 "		232266	1 1/8"	6 "	<u>.</u>
227102	SPLINE	232169	201225	. 503 "	237319	<u> </u>	1 1/8"	6 "	5"
227101		232169	201225	. 50 3 "		237320	1 1/8"	6"	5"
222965		232169	201225	. 503 "	232265	••	1 1/8"	6 1/2"	
222964		232169	201225	. 503"		232264	1 1/8"	6 1/2"	••
B 223475		232169	201225	. 503"	234749		1 1/2"	6 1/2"	<u> </u>
B 223474		232169	201225	. 503"		234748	1 1/2"	6_1/2"	
B 227153		232169	201225	. 503"	232980		1 1/2"	6 1/2"	
B 227152		232169	201225	. 50 3 "		232979		6 1/2"	
222953		232169	201225	. 50 3 "	232255		1 1/2"	6 1/2"	
222952		232169	201225	. 50 3 "		232254	1 1/2"	6 1/2"	
223229		232169	201225	.503"	232710		1 1/2"	7"	
223228		232169	20 1 2 2 5	. 503 "		232709	1 1/2"	7 "	
D 223535		232169	20 1 2 2 5	. 503"	233042		1 1/2"	7 "	
D 223534		232169	201225	. 50 3 "		233041	1 1/2"	7 "	
225466		232169	NONE		235246		1 1/2"		·
225465		232169	NONE		••	235245	1 1/2"		••
222973		232169	201225	. 503"	232273		1 "	8 1/2"	• •
		232169	201225	. 503"		232272	1 "	8 1/2"	••
222972									

A - Add one (1) PIPE PLUG, 233410, in Body above Worm Shaft Lock.
B - Add one (1) PIPE PLUG, 233410, in position "Z".
C - Add one (1) PIPE PLUG, 233410, in position "X".
D - Add one (1) PIPE PLUG, 233410, in position "Y".

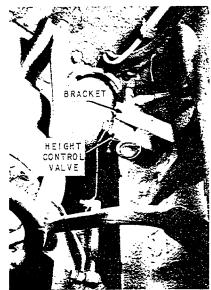
Bendix-Westinghouse



CHANGEOVER FROM DELCO TO BENDIX-WESTINGHOUSE HEIGHT CONTROL VALVE

FOR GREYHOUND CORPORATION PD 4501 SCENICRUISER

INSTALLATION Read schematic drawing 209439 prior to beginning installation. Lay out material in relation to the schematic and follow notes carefully in making the installation. Note that check valve-filters in supply lines are discarded. Filters in delivery lines are reused. See also Figures 1 through 4.



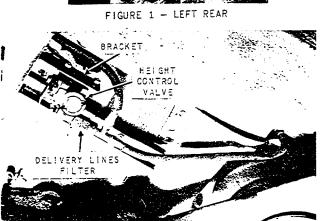
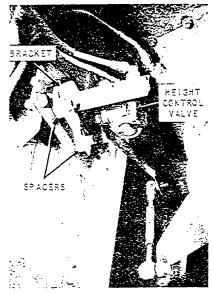
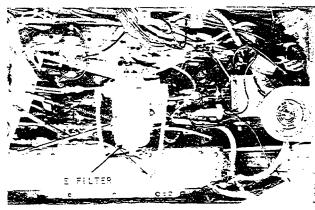


FIGURE 3 - FRONT



RIGHT REAR FIGURE 2



Following installation and adjustment make a leakage check at all connections and valves.

MAINTENANCE At about 50,000 miles check E Filter for build up of restricting matter and moisture. Frequency of changing element will vary with operating conditions, humid-ity, and intervals between draining reservoirs in air system. If necessary, a drain cock can be installed in bottom of E Filter.

For maintenance of height control valves, see SD-25, copy attached. The only difference between the valve shown in this SD and the 229449 is that the 229449 has a single unit, welded actuating lever and cam assembly.

PARTS INFORMATION A complete Bill of Material is shown on schematic drawing 209439. Type E Filter is shown on catalog sheet 9-C-2, copy attached.

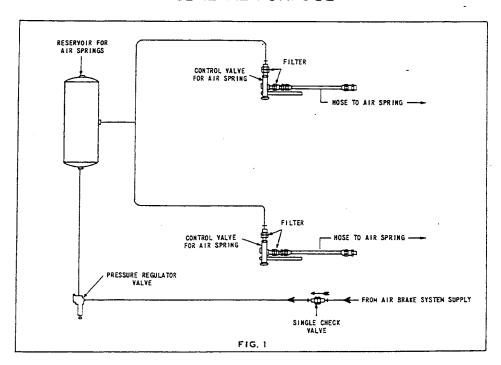
Bendin-Westinghouse

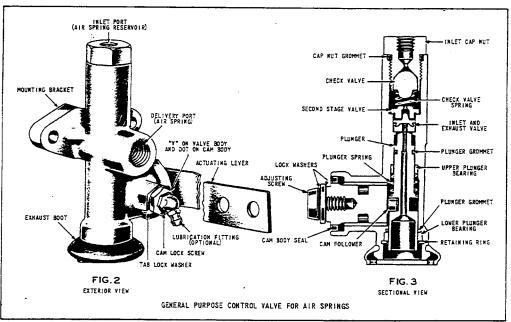


OHIO

CONTROL VALVE FOR AIR SPRINGS

GENERAL PURPOSE





DESCRIPTION This valve is normally mounted on some member of the vehicle body and its actuating lever is connected through linkage to some point on the axle.

Air pressure from the air spring reservoir normally passes through a filter and then through a line connected to the inlet cap nut in the top of the valve. (Figure 2) Air is delivered to the air spring or exhausted from the air spring by the valve through the port in the side of the valve body to which a connecting hose and filter is installed leading to the air spring. Air supplied to the air spring reservoir from the basic air system normally passes through a pressure regulator valve with an opening pressure of about 65 psi.

When the actuating lever of the valve is in the horizontal or neutral position as shown in Figure 3, the passages through the valve are closed off and are is sealed in the air springs. When the actuating lever is moved upward, the valve admits air to the air spring, and when the actuating lever is moved downward, the valve exhausts air from the springs. In this manner, the control valve, as it is subjected to variations in the dimensional relation between vehicle body and axle will compensate for such variations by increasing or decreasing the air pressure in the air spring.

When the actuating lever is in the position as shown in Figure 3, the inlet and ex-OPERATION haust valve of the control valve are normally in a lap position and air pressure is held at a constant pressure in the air spring. If the lever is moved downward, the cam action moves the plunger downward so that the exhaust seat at its upper end moves away from the exhaust valve and the air pressure in the air spring is reduced as some of the air in the air spring is exhausted through the exhaust drilling in the plunger to atmosphere between the exhaust boot and the base of the control valve. The exhaust capacity is determined by the orifice in the delivery port of the control valve body and the orifice in the plunger. Total exhaust travel of this valve is 5" from the horizontal as measured at the end of the actuating lever arm.

If the lever is moved upward, the cam action moves the plunger upward so that its upper stem seats the inlet and exhaust valve, sealing off the exhaust passage. Since the inlet orifice is of two stage design, as the plunger moves further upward, it unseats the inlet and exhaust valve and air can flow through the bleed hole of the second stage valve, around the inlet and exhaust valve and to the air spring, in the first stage of air supply. Additional upward movement of the lever carries the plunger and inlet and exhaust valve further upward so that the second stage valve is unseated and air can flow around it and to the air spring in the second stage of air supply. Total supply travel of this valve is 5" from the horizontal as measured at the end of the actuating lever. Overtravel of the lever either upward or downward beyond the 5 from the horizontal lever position will damage or shear the nylon cam follower.

Approximately twice each year, depending on operating conditions PREVENTIVE MAINTENANCE and experience, filters in supply and delivery lines should be disassembled and cleaned, and the control valves should be lubricated.

SERVICE CHECK

With vehicle stationary and normal air pressure in the system, OPERATING & LEAKAGE TEST check to see that normal undercarriage clearance is maintained at both sides of axle and that there is no leakage at exhaust boots of control valves. If valve does not function as described above, or if leakage is

excessive, it is recommended that the valve be returned to the nearest authorized Bendix -Westinghouse Distributor for a genuine Factory Rebuilt unit under the Repair Exchange Plan. If this is not possible, the following information should prove to be helpful.

REMOVING AND INSTALLING

REMOVING

Securely block vehicle body to desired ground clearance.

Drain air system.

Disconnect actuating lever from linkage.

Disconnect supply line and delivery line from control valve.

Remove screws or bolts from mounting bracket and remove control valve.

INSTALLING

Install control valve on mounting bracket.

Connect air lines.

Build up air pressure in air system and air spring.

Connect actuating lever to linkage.

Adjust linkage to hold correct undercarriage clearance.

Remove blocks under vehicle body.

DISASSEMBLY

Remove cam lock screw from control valve body and remove actuating lever and cam assembly. Be sure nylon cam lock screw bushing is located and removed. Pry out

cam body seal, if necessary, and remove exhaust boot.

Remove inlet cap nut, cap nut grommet, check valve, check valve spring, nylon

second stage valve and inlet and exhaust valve in that order.

Carefully press out plunger, exerting force with a ball or smooth faced pin on the exhaust stem of the plunger. Unless the plunger grommet is excessively worn, it will not slide past the upper nylon plunger bearing, however, by exerting a little force, the plunger spring and nylon plunger bearing will slide out together. Too much force will damage the plunger grommet. Remove retaining ring and lower nylon plunger bearing and plunger grommet.

CLEANING AND INSPECTION OF PARTS

Clean all metal parts in cleaning solvent which is non-injurious to rubber parts. Inspect inlet cap nut for restriction at choke. Clean to original orifice size if necessary.

Inspect rubber valves, grommets, and seal for wear or deterioration and replace as necessary.

Inspect inlet seats for wear or damage.

Inspect seating surface and orifice of nylon second stage valve.

Inspect nylon cam lock screw bushing for excessive wear.

Inspect cam body bushing for excessive wear.

Inspect cam body fit in its bore. It should be a neat sliding fit. Inspect nylon cam follower for excessive wear.

Remove plunger, grommet and with nylon plunger bearings in place, inspect plunger fit in body. It should be a neat sliding fit.

Be sure all chokes and orifices are open. Replace all parts which are excessively worn or damaged.

ASSEMBLY Prior to assembly, lubricate grommets, rlunger and its bore, cam assembly and its bore with a molybdenum base lubricant such as Liqui-Moly, Moly-Kote or equivalent. Install new cam body seal in valve body with sealing lips out. A special tool with a 1/32" step is required to insure proper placement of the seal and to prevent damage to the sealing lips. (See sketch)

Install grommet on inlet cap nut.

Install inlet and exhaust valve, nylon second stage valve, check valve spring, check valve and inlet cap nut in that order.

If plunger has been removed, place plunger spring and upper nylon plunger bearing on plunger before replacing plunger grommet and install in valve body as one assembly.

Install cam assembly taking care to align the nylon cam with its slot in the plunger, Align "V" on valve body with dot on cam body to obtain approximate lap position. With cam body in this lap position, assemble lever in horizontal position.

Rotate cam assembly to move plunger upward and install bottom plunger grommet, nylon

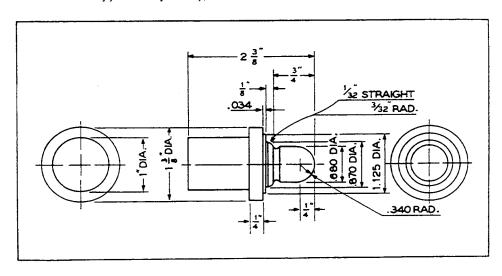
plunger bearing and retaining ring.

Install lubrication fitting to position most convenient for servicing. Check for easy operation of cam assembly. Replace boot.

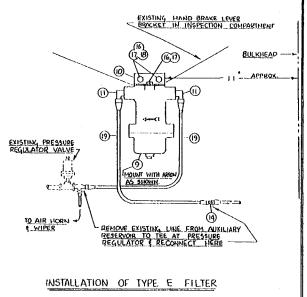
Secure lubrication fitting by bending tabs of tab lock screw, two up and one down. Pressure lubricate through lubrication fitting until grease shows around cam seal.

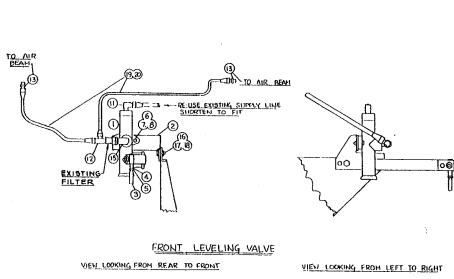
Perform operating and leakage tests as listed under "Service Check" TESTING REBUILT UNIT after rebuilding valve.

- 5/8" open end wrench 1/8" thick to hold cam body stationary while tightening handle TOOLS during adjustment.
 - Spanner wrench to tighten lever retaining screw.
 - Guide with 1/32" step to assemble and position "U" cup seal in valve body. Can be made locally, if required, from sketch below.







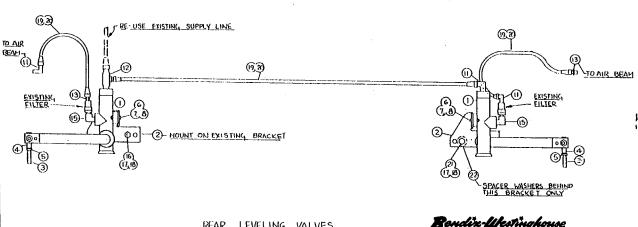


INSTALLATION PROCEDURE:

- I. REMOVE EXISTING VALVES (WITH ADJUSTING LINK) FROM BRACKETS. (DO NOT REMOVE BRACKETS).
- 2. REMOVE EXISTING DELIVERY LINES & FITTINGS (INCLUDING FITTINGS IN BEAMS).
- 3 REMOVE DELIVERY LINE FILTER (BETWEEN VALVE & AIR
 BEAM) FROM VALVES. CLEAN OR REPLACE FILTER ELEMENTS.
 REPLACE ALL CURLED HAIR ELEMENTS WITH POROUS
 BRONZE ELEMENTS. SAVE FILTERS FOR REUSE.
- 4. REPLACE EXISTING RIGHT HAND THREAD BALL ENDS WITH (3) (1) & KE-USE REMAINDER OF LINK AFTER CLEANING THREADS. USING EQUAL THREAD ENGAGEMENT AT EACH END OF TURNBUCKLE, ADJUST DISTANCE BETWER BALL ENDS TO APPROX. 7 INCHES BEFORE INSTALLING.
- 5. MOUNT & PIPE YALVES AS SHOWN, USE LOOM ON ALL LEVELING VALVE TUBING.
- G. CHARGE AIR SYSTEM, ADJUST VALVES & CHECK FOR LEAKAGE.

LEVELING VALVE ADJUSTMENT PROCEDURE:

I. WITH COACH BODY INITIALLY ABOVE GAGE HEIGHT, SHORTEN LINK UNTIL GAGE HEIGHT IS REACHED; THEN LENGTHEN LINK UNTIL VALVE JUST STOPS EXHAUSTING.



REAR LEVELING VALVES

AUTOMOTIVE AIR BRAKE COMPANY
ELYRIA OHIO

SCHEMATIC OF CONTROL VALVE KIT FOR AIR SPRINGS GREYHOUND SCENICRUISER (GMC-PD-4501)

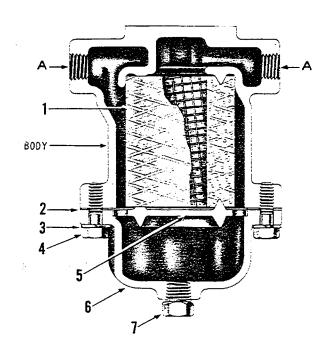
NOTE: USE SEALANT ON ALL PIPE DIREADS

209439

CATALOG 9 C 2

TYPE "E" FILTER





TYPE "E"	Body	Δ
FILTER		PIPE
Pc. No.	Pc. No.	THREAD
221474	230107	1/4"
222588	231858	3/8"

No.	Pc. No.	Quan.	Description
t	221053	1	FILTER ELEMENT
2	230109	1	COVER GASKET
3	202982	4	LOCK WASHER
4	203788	4	CAP SCREW
5	214171	1	STRAINER SUPPORT
6	230108	1	COVER
7	230111	1	PIPE PLUG. 1/4"

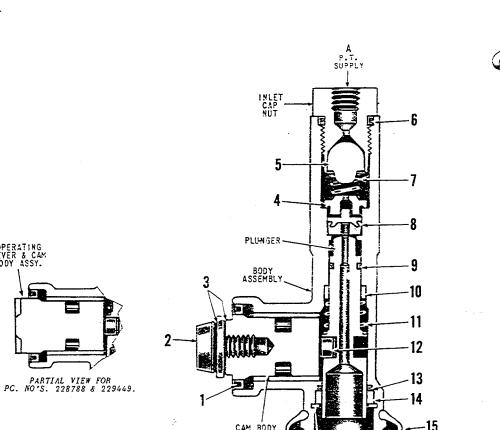
BENDIX WESTINGHOUSE GENERAL OFFICES AND PLANT— ELYRIA, OHIO.

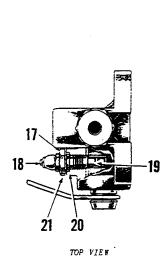
BRANCHES- BERKELEY, CALIF. & OKLAHOMA CITY, OKLA.

CONTROL VALVE FOR AIR SPRINGS



OPERATING LEVER



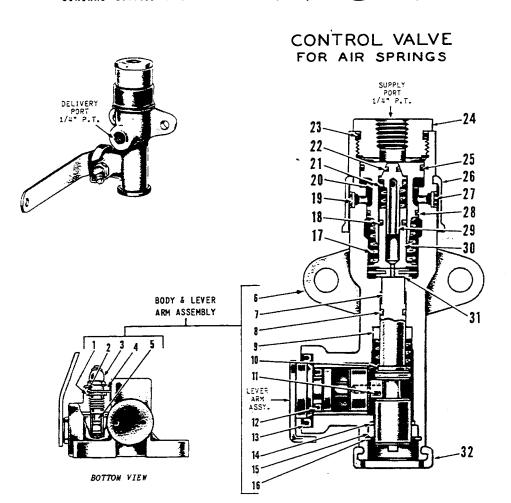


CONTROL VALVE FOR AIR SPRINGS	Operating Lever & Cam Body Assy. Pc.No.	Operating Lever	Assy.	Assý.	Plunger	Cas Nut	A P. T.	SUPERSEDES CONTROL VALVE FOR AIR SPRINGS PC.NO.
228646		238969	228605		238973	238964	1/8"	227396
A 228788	229791			228869		238964	1/8"	
229067		238969	228605	228792	239384	238964	1/8"	228454
A 229449	229456			228792	238973	239662	1/4"	
229516		238969	228605	228792	238973	239662	1/4"	
275822		240946	228605	228792	240959	239662	1/4"	

16

A - Omit Items 2 and 3.

No.	Pc. No.	Quan.	Description	No.	Pc. No.	Quan.	Description
1	239090	1	SEAL	12	239140	1	CAM FOLLOWER
2	239041	1	ADJUSTING SCREW	13	239136	1	GROMMET754" O.D.
3	239308	2	LOCK WASHER	14	239137	1	PLUNGER BEARING
4	239053	1	SECOND STAGE VALVE	15	239135	i	BOOT
5	241069	1	CHECK VALVE	16	236814	1	RETAINING RING
6	214745	1	GROMMET750" O.D.	17	239042	1	CAM LOCK SCREW
7	238954	ŧ	CHECK VALVE SPRING	18	239091	1	LUBRICATION FITTING
8	239052	î	INLET & EXHAUST VALVE	19	239230	1	BUSHING
9	214749	1	GROMMET441" O.D.	20	239071	1	LOCK SCREW SEAL
10	239138	1	PLUNGER BEARING	21	239072	1	TAB LOCK WASHER
11	238953	1	PLUNGER SPRING				



CONTROL VALVE FOR AIR SPRINGS Pc.No.	Body & Lever Arm Assembly Pc.No.	Lever Arm Assembly Pc.No.
228634	228653	228635
228854	228855	228856

No.	Pc.No.	Quan.	Description	No.	PC.NO.	Ųuan.	Description
See	Schedule	1	BODY & LEVER ARM ASSEMBLY	17	238414	1	EXHAUST PISTON SPRING
1	239071	1	TAB LOCK SCREW SEAL	18	214749	1	GROMMET441" O.D.
2	239072	1	TAB LOCK WASHER	19	238422	1	EXHAUST FILTER
3	23909!	1	LUBRICATION FITTING	20	238411	1	EXHAUST PISTON
4	239042	1	CAM LOCK SCREW	21	238410	1	CHECK VALVE SPRING
5	2 39 2 30	1	BUSHING	22	236640	1	GROMMET298 " O.D.
6	228712	1	BODY ASSEMBLY	23	214398	1	GROMMET, 1.156" O.D.
7	238999	1	PLUNGER	24	238415	1	SUPPLY CAP NUT
8	214749	1	GROMMET441" O.D.	25	238413	1	GROMMET, 1.004" O.D.
9	239138	1	PLUNGER BEARING	26	238424	1	BOOT
10	238418	1	PLUNGER SPRING	27	238423	1	FILTER RETAINER
1.1	239140	1	CAM FOLLOWER	28	238412	1	GROMMET816" O.D.
See	Schedule	1	LEVER ARM ASSEMBLY	29	238409	1	CHECK VALVE
12	239073	1	CAM "U" CUP	30	238785	1	INLET & EXHAUST VALVE FOLLOWER
13	239090	1	SEAL	31	238783	1	INLET & EXHAUST VALVE
14	239136	1	BEARING GROMMET	32	239078	1	DUST CAP
15	239137	1	PLUNGER BEARING				
16	236814	1	PETAINING RING	l			

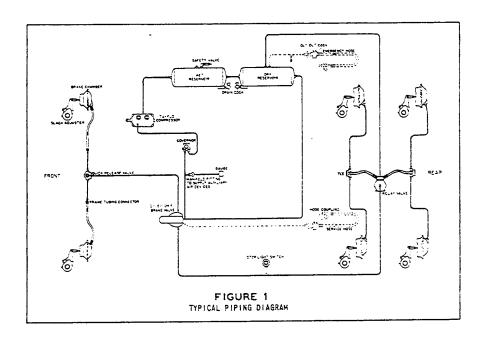
May, 1958

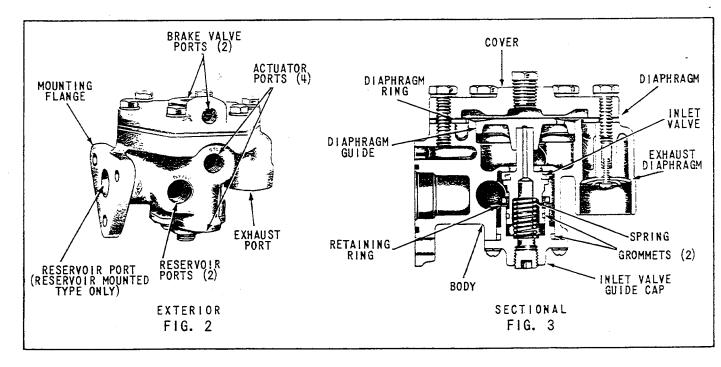
ELYRIA



R-5 RELAY VALVE

OHIO





DESCRIPTION

The R-5 Relay Valve is normally used to operate the brakes on the rear axle or axles of six-wheel air braked tractors or trucks and long-wheel based tractors, trucks and coaches. The valve is operated by the brake valve and delivers the same air pressure to the brake actuators as is being delivered to the relay valve by the brake valve. Because the valve has a direct air supply as noted in Figure 1, it operates as a high capacity remote controlled brake valve.

The R-5 Relay Valve features an option of two service ports, one at the top and one at the side of the diaphragm cover. It also has four brake chamber ports. The reservoir mounted type R-5 Relay Valve has three reservoir supply ports. The type for remote mounting has two reservoir supply ports. The type for reservoir mounting is adaptable to reservoirs with mounting flanges or pipe nipples.

OPERATION When the brake valve is applied, air pressure is delivered to the relay valve and enters the relatively small cavity above the relay diaphragm. The pressure developed depresses the diaphragm and seals off the exhaust seat. At the same time, it moves the diaphragm guide down and opens the inlet valve permitting air to flow from the reservoir through the relay valve and to the brake chambers. As the air pressure below the relay diaphragm equals that above the diaphragm, the inlet valve returns to its seat (Balanced Condition) and the brake application is held at whatever pressure the operator desires. The relief slot in the bottom of the diaphragm guide permits air pressure to enter the cavity below the inlet valve piston through the drilled hole in the valve stem thus assuring a positive balance of pressure above and below the relay diaphragm. When the brake valve is released, the air pressure in the cavity above the diaphragm and the connecting line is exhausted through the exhaust port of the brake valve. When this occurs, the air pressure below the diaphragm moves the follower and diaphragm up and opens the exhaust passage in the relay. With the exhaust passage open, the air pressure in the brake actuators exhausts back through the relay valve exhaust port.

PREVENTIVE MAINTENANCE

Once each year the relay valve should be disassembled and cleaned. All rubber parts and parts subject to wear should be replaced if worn or damaged.

OPERATING AND LEAKAGE TEST

1. Fully charge air brake system.

2. Make several brake applications and check for prompt application and release at all wheels.

3. With the brake valve in a fully released position, coat the exhaust port of the subject valve with soap suds. A maximum leakage of a one inch soap bubble in not less than three seconds is permissible.

4. Make and hold a brake application and coat the exhaust port of the relay valve with soap suds. A maximum leakage of a one inch soap bubble in not less than

two seconds is permissible.

5. If the valve does not function as described above, or if leakage is excessive, it is recommended that the relay valve be returned to the nearest Authorized Bendix-Westinghouse Distributor for a genuine Factory Rebuilt unit under the Repair Exchange Plan. If this is not possible, the following information should prove helpful.

REMOVING AND INSTALLING

REMOVING

Block or hold vehicle by a means other than air brakes. Open drain cocks and exhaust air pressure from the air brake system. Disconnect air lines from the R-5 Relay Valve. Loosen mounting bolts and remove subject valve.

NOTE:

If local facilities are available, the valve assembly generally referred to as the R-5 Insert can be readily removed and serviced and/or replaced by removing the four screws on the bottom cover plate and then pulling insert down. This can normally be accomplished without disturbing the valve mounting or connecting air lines.

INSTALLING

Clean or replace lines to the relay valve. Mount relay and replace all damaged air lines. Test valve for serviceability as outlined in Operating and Leakage Test.

When installing the new or rebuilt R-5 Insert, precautions should be taken to prevent nicking of the inlet valve and grommets. After placing the inlet valve assembly in the relay body, depress the valve cover and tighten the four screws.

DISASSEMBLY

Remove the six cap screws and relay diaphragm cover.

Remove relay diaphragm.

Remove relay diaphragm ring.

Remove diaphragm follower guide.

(R-5 Insert) Remove the four screws from the insert cover plate.

Pull insert assembly down and out of relay body.

Depress inlet valve stem in cover.

With stem depressed, remove valve stem retaining ring, "using care to avoid damaging the grommets and guide surfaces."

Remove spring from insert valve cover plate.

(Exhaust Diaphragm) Remove screw and washer.

Remove diaphragm.

CLEANING AND INSPECTION

Wash all metal parts in cleaning solvent and dry them thoroughly.

Inspect all parts for excessive wear or deterioration.

Inspect springs for cracks, distortion or corrosion.

Inspect valve and valve seat for nicks and burrs.

Replace all parts not considered serviceable during this inspection.

Inspect both relay and exhaust diaphragms for flexibility, wear, and deterioration.

Inspect relay diaphragm seat for nicks and burrs.

ASSEMBLY

Prior to assembly, lubricate lightly the relay diaphragm guide bore and all grommets with Bendix-Westinghouse lubricant, piece number 240176.

(R-5 Insert) Put spring in inlet valve cover plate.

Place inlet valve over the spring.

Depress inlet valve stem in cover.

With stem depressed, install the retaining ring.

Install the preassembled inlet valve assembly in the relay body, following the precautions described in Installation section and tighten the four screws.

Replace diaphragm guide in body.

Replace diaphragm ring in body.

Place relay diaphragm on diaphragm ring.

Reset relay diaphragm cover and tighten the six cap screws.

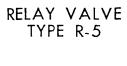
(Exhaust Diaphragm) Place exhaust diaphragm in port.

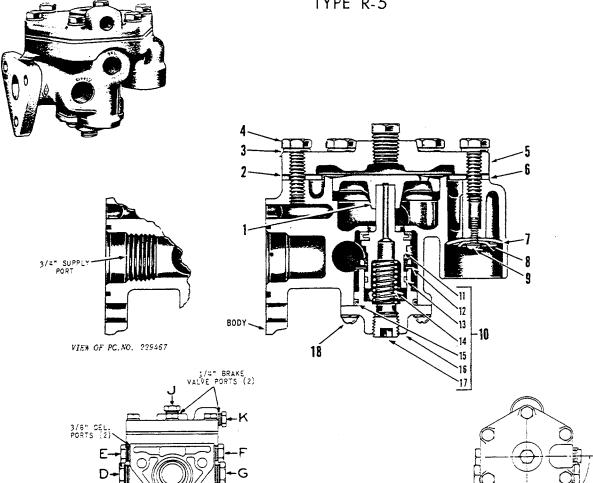
Place washer on top of diaphragm.

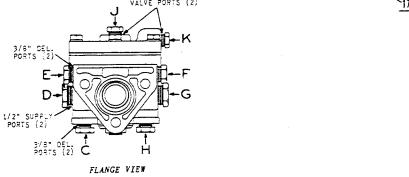
Position and tighten screw.

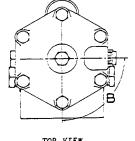
TESTING REBUILT RELAY VALVE

Perform Operating and Leakage Check as outlined in the previous section.









TOP VIEW

R-5 Relay	Body	В	PIPE PLUGS								
VALVE Pc.No.	Pc.No.	DEGREES B.V. PORT ANGLE	С	D	Ε	F	G	Н	J	К	
229200	239570	90	238807	238822				238807		230111	
229467*	239596	90		238822			238822				
275146	239570	270	238807				238822	238807	230111		
275147	239570	90	238807	238822				238807	230111	••	

*THIS VALVE WILL COVER SERVICE, REPAIR EXCHANGE & CONVERSION FROM ANY BW RELAY VALVE.

No.	Pc.No.	Quan.	Description	No.	Pc. No.	Quan.	Description
1	239575	1	DIAPHRAGM GUIDE	10	229596	1	INLET VALVE & GUIDE CAP ASSY.
2	240372	1	DIAPHRAGM	11	239881	ĭ	INLET VALVE
3	232850	6	WASHER	12	239712	1	RETAINING RING
4	203788	6	CAP SCREW	13	239745	1	GROMMET809 " O.D.
5	239597	1	COVER	14	239573	ī	SPRING
6	240373	1	DIAPHRAGM RING	15	239743	1	GROMMET, 1.215" O.D.
7	239942	1	EXHAUST DIAPHRAGM	16	239571	1	VALVE GUIDE CAP
В	239943	1	DIAPHRAIM WASHER	17	230576	1	PIPE PLUG. 1/4"
9	237275	1	MACHINE SCREW & L.W.				
-				1 18	237275	4	MACHINE SCREW & L.W.

Bendiz-Westinghouse.

MAINTENANCE MANUAL

BRAKE VALVE

Type E-1

Chapter V

DESCRIPTION and OPERATION

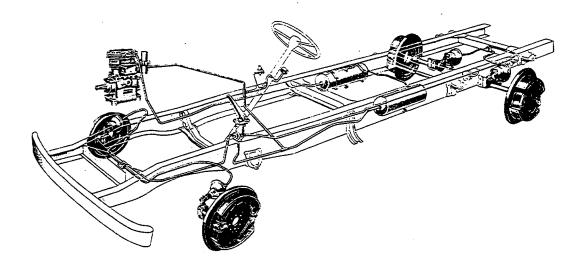


FIG. 1-Piping Diagram of Air Brake System With Type E-1 Brake Valve

DESCRIPTION

General. Brake valves have either a foot treadle for operating them or they are fitted with a lever suitable for connecting to a conventional brake pedal. Movement of the treadle or brake pedal controls the movement of an inlet valve and exhaust valve which in turn control the air pressure being delivered to or released from the brake actuators on the vehicle. To fully apply the brakes, the treadle or brake pedal must be fully depressed, whereas, when the treadle or brake pedal is only partially depressed, correspondingly less braking force is developed. In other words, the farther the driver depresses the treadle or brake pedal, the greater the air pressure delivered to the brake actuators. At any time the brakes of the vehicle may be partially released by the driver permitting the treadle or brake pedal to partially return towards released position or they may be entirely released by permitting the treadle to return to full released position. In this manner the amount of force being applied to the brakes of the vehicle is always under control of the driver.

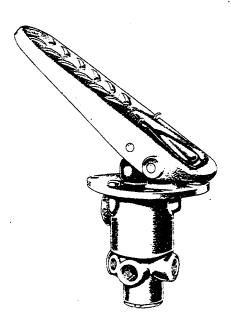


FIG. 2—Type E-1 Brake Valve With Treadle and Mounting Plate



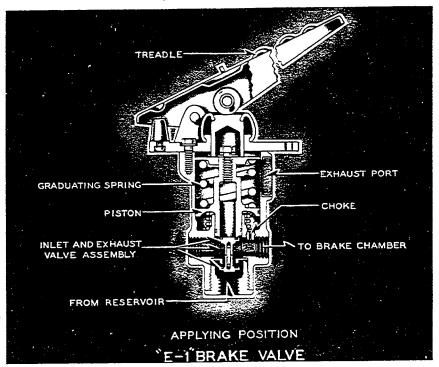


FIG. 3—Applying Position—E-1 Brake Valve

OPERATION

Applying. As the driver depresses the treadle or pedal, force is exerted on the pressure regulating spring and piston. As the piston moves downward, the exhaust valve seat moves downward, contacting the inlet-exhaust valve and closing the exhaust valve. Continued movement of the piston downward forces the inlet valve off its seat. Air pressure from the reservoir then flows through the inlet valve and out the brake chamber ports to the brake actuators, applying the brakes.

Balanced. When the air pressure being delivered to the brake chambers from the cavity below the piston overcomes the mechanical force being exerted on top of the piston, the piston lifts slightly and the inlet valve closes, cutting off further supply of air pressure to the brake chambers. The exhaust valve remains closed, preventing any escape of air pressure through the exhaust port. Should the driver depress the treadle further exerting additional force on top of the piston, a corresponding increase in the air pressure being delivered to the brake actuators is produced.

If the driver permits the treadle or pedal to partially return toward its fully released position, reducing the mechanical force on top of the piston, the air pressure below the piston overcomes the mechanical force on top of it and the piston lifts still further. When this happens, the inlet valve remains closed but the exhaust valve opens to exhaust air pressure from the brake actuators until the air pressure below the piston again balances the mechanical force on top of it.

Releasing. If the driver permits the treadle or pedal to return to its fully released position, the exhaust valve opens and all air pressure in the brake actuators is exhausted and the brakes on the vehicle are fully released.

If the driver depresses the treadle or pedal to fully applied position, the pressure regulating spring is compressed and the piston strikes its guide in the body. Under these conditions, the inlet valve is held open, permitting full reservoir pressure to pass through the brake valve into the brake actuators, which creates a very severe brake application.



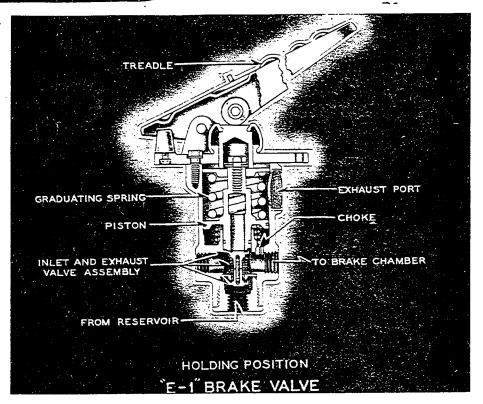


FIG. 4-Balanced Position-E-1 Brake Vaive

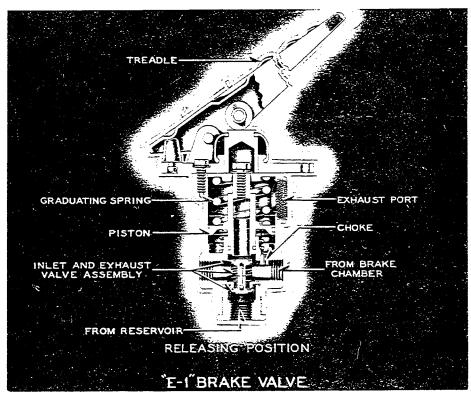


FIG. 5-Releasing Position-E-1 Brake Valve





PREVENTATIVE MAINTENANCE

Every 200 Operating Hours or After Each 5000 Miles.

Lubricate treadle or lever roller, also hinge pin and linkage with engine oil.

Lift boot away from mounting plate and put a few drops of SAE 20 engine oil between mounting plate and plunger. Install boot on mounting plate.

Lever type brake valve only. Check to be sure that with brakes fully applied the pedal contacts the floor boards or pedal stop. With brakes released check to be sure that the lever arm on the brake valve contacts the stop button on the brake valve. Adjust the pedal linkage, if necessary, to provide for this. After any adjustment, check the brake valve delivery pressure.

Clean exhaust strainer often enough, depending on service conditions, to avoid-restriction.

Every 3000 Operating Hours or After Each 100,000 Miles.

Disassemble brake valve and clean all parts. Install new inlet-exhaust valve and piston grommets.

SERVICE CHECK

Operating Tests.

Check the delivery pressure of brake valve, using an accurate air pressure test gauge. If the vehicle has trailer connections, the test gauge can be conveniently connected to the service line outlet at the rear of the vehicle. With the treadle or pedal fully depressed, the brake valve should deliver approximately full reservoir pressure as registered by the dash gauge. On some vehicles a stop is arranged so as to prevent the brake valve delivering full reservoir pressure. This arrangement should not be altered on such vehicles unless it is necessary to do so in order to correct the maximum delivery pressure.

Depress the brake pedal to several positions between fully released position and fully applied position and check to be sure the delivered air pressure registered by the test gauge varies in accordance with the position in which the treadle is held. The brake valve must control all delivery pressures between 5 and 75 pounds.

There is no treadle release stop adjustment for the treadle type and other type E-1 valves using the rubber stop button. For those E-1 valves which have an adjusting screw and lock nut at the lever stop, adjustment should be made to keep the roller in contact with the plunger when the valve is in fully released position.

Leakage Tests.

With the treadle fully released, coat the exhaust port with soap suds to check for leakage.

Leakage in excess of a one-inch soap bubble in one second is not permissible in either of these tests. If excessive leakage is found, the brake valve must be repaired or replaced.

REMOVING AND INSTALLING

If it is necessary to remove or install the brake valve, the following procedure will apply:

REMOVING

Drain air brake system.

Disconnect air lines at brake valve.

Disconnect pedal rod for lever type valves.

Remove mounting bolts, and remove brake valve.

INSTALLING

Mount brake valve in position. Connect pedal rod on lever type brake valves.

Connect air lines to brake valve.

Be sure exhaust port is not plugged.

Test brake valve for service.





DISASSEMBLY

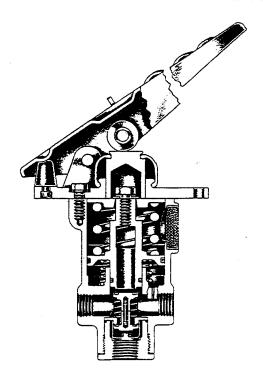


FIG. 6- Sectional View of Type E-1 Brake Valve

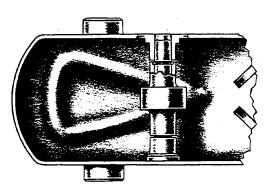


FIG. 8-Sectional View of Treadle Assembly for E-1 Brake Valve

GENERAL

Remove all dirt and grease from exterior of valve, using cleaning solvent and a brush. Inspect exterior of valve for broken or damaged parts. All broken or damaged parts must be replaced.

TYPE E-1 BRAKE VALVE

Remove and Disassemble Treadle (or lever).

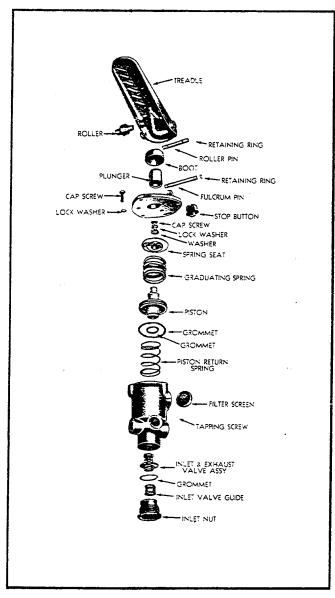


FIG. 7—Exploded View of Type E-1 Brake Valve

Drive out treadle pin and remove treadle. If treadle roller is to be removed, drive out treadle roller pin by using a drift pin and a small hammer. Then remove roller and retaining ring. (Fig. 8.) Both the treadle pin and treadle roller pin are held in place by retaining rings. In lever type valves cotter pins are used to retain both pins.





DISASSEMBLY (Cont'd)

Remove Mounting Plate. Remove boot. Remove three cap screws and lock washers attaching mounting plate to body. Lift off mounting plate.

Remove piston and spring assembly from body.

Remove rubber grommets from piston.

Do not disassemble the pressure regulating spring and piston assembly unless the exhaust seat has been damaged and has to be replaced.

Remove piston return spring from body.

Remove inlet cap nut from body. (Fig. 7). Remove inlet valve guide and inlet and exhaust valve assembly.

CLEANING AND INSPECTION OF PARTS

BRAKE VALVE TYPE E-1

Clean All Parts. Wash all metal parts in cleaning solvent.

Pressure Regulating Spring and Piston Assembly. Carefully inspect the exhaust seat. If seat is worn slightly, lap on a piece of crocus cloth on a flat surface. If seat is worn excessively, or damaged in any way, the piston and pressure regulating spring assembly must be replaced. Inspect outside surfaces of piston which contact bores in body of valve for scratches, nicks or out-of-round condition. Replace piston if necessary. If pressure regulating spring is damaged in any way, it must be replaced.

Replace rubber grommets with new ones.

Treadle Assembly. Check fit of treadle pin in treadle and mounting plate. Pin must be a neat free fit. If mounting plate holes are worn excessively, the plate

should be replaced. Inspect treadle roller for fit on roller pin, also for flat spots. Roller must be a free rolling fit on pin. If excessive wear is found or if the roller has any flat spots, the pin, the roller, or both, must be replaced. Check to be sure the stop on the heel of the treadle is in good condition. If not, the treadle should be replaced.

Mounting Plate. Check for cracks or breakage. Replace if necessary. Replace stop button.

Boot. Replace if cracked or deteriorated.

Body. Inspect the body for scores and excessive wear where the piston contacts the body. If excessive wear, or grooves, are found, the body should be replaced. Inspect small bleed hole leading to piston cavity in body to be sure it is open and not obstructed.

Inlet and Exhaust Valve. Replace inlet and exhaust valve assembly if valves or seats are worn or damaged.

REPAIRS

TYPE E-1

Pressure Regulating Spring and Piston Assembly. If the piston graduating spring, or graduating spring seat, is damaged or broken, they should be replaced.

Care should be exercised not to damage the exhaust seat which is a part of the piston.

Replace all grommets with new ones.

If exhaust seat is slightly damaged, it may be lapped flat with a piece of crocus cloth on a flat surface.

Body. If piston bore is nicked or worn excessively, replace body.

Inlet and Exhaust Valve. Replace old valve with new.

Inlet-exhaust valve assemblies must be tested for leakage after they are installed in the brake valve.



ASSEMBLY

Install new grommets on piston. Lubricate the piston grommets, piston and piston bore with barium grease. Install piston return spring and piston and spring assembly in body.

Install mounting plate and secure in place with the three cap screws and lock washers.

Install plunger and boot in the mounting plate.

Position treadle or lever on mounting plate after placing retaining ring in recess of treadle boss. Drive treadle pin to position where it is locked in place by retaining ring. To install the roller, place the retaining ring in the recessed end of the roller and place the roller and retaining ring in the treadle. Then drive the roller pin in from either side of the treadle to the position where the pin is locked in place by the retaining ring. (See Fig. 8.) Some E-1 valves differ slightly in design and cotter pins retain the roller pins and lever pins.

Install inlet and exhaust valve assembly after positioning guide on the inlet valve seat. Place new grommet under inlet valve seat and install inlet cap nut.

TESTING and ADJUSTING REBUILT BRAKE VALVE

TYPE E-1

TESTS

If facilities are available, the rebuilt brake valve can be tested on a suitable test rack. If such facilities are not available, the brake valve can be tested on the vehicle.

Both operating tests and leakage tests must be made in either case so the brake valve meets the following specifications:

- (1) The brake valve must deliver approximately full reservoir pressure when the treadle is fully depressed. If this test is being made on a vehicle and brake valve does not deliver approximately full reservoir pressure, check to see if the treadle or pedal stop (or linkage if lever type brake valve is used) is arranged so as to prevent the brake valve from delivering full reservoir pressure. This arrangement may be found on some vehicles and must not be altered unless a higher delivery pressure is desired to meet the specification covering the vehicle or unless it is necessary to increase the effectiveness of the brakes.
- (2) The brake valve must control delivered pressures between approximately 5 and 75 pounds. These pressures must rapidly vary in accordance with the position in which the treadle is held.
 - (3) Leakage at the exhaust port in both the fully

applied or fully released positions must not exceed a one-inch soap bubble in one second.

(4) No leakage is permissible at any other point on the brake valve with the treadle in depressed position.

ADJUSTMENT

If the brake vaive does not release promptly, or does not fully release, it indicates that the exhaust valve is not opening sufficiently. This can be caused:

- (1) By improper adjustment of the linkage or lever adjusting screw which would prevent the lever on the lever type valve from returning to the fully released position.
- (2) Lack of lubrication in the body causing the piston and spring assembly to bind.
- (3) Dirt or other foreign matter between the heel of the treadle and body.

If the brake valve does not apply promptly, or does not apply fully, it indicates that the inlet valve is not opening sufficiently. This can be caused:

- (1) By improper adjustment of the linkage, which would not permit the piston to travel far enough when the brake is being applied.
- (2) Improper adjustment of the treadle or pedal stop.

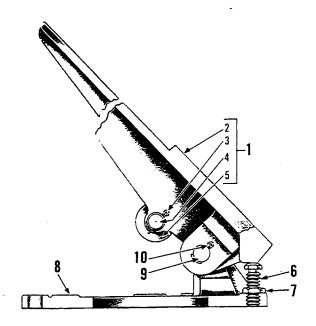
If the brake valve does not graduate the delivered pressure properly, check to be sure bleed hole to the cavity immediately below the piston is not restricted.



CATALOG 3 E 4
SHEET 2

TREADLE AND MOUNTING PLATE ASSEMBLY

Pc. No. 275526



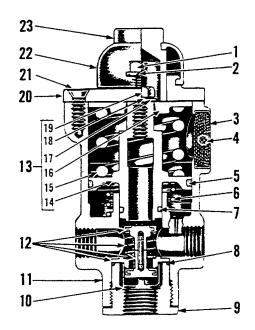
TREADLE & MOUNTING PLATE ASSEMBLY

Pc. No. 275526

No.	Pc. No.	Qυ aπ.	Description
1	275534	1	TREADLE ASSEMBLY
2	240702	ĭ	TREADLE BODY
3	231664	1	COTTER PIN
4	238477	1	ROLLER PIN
5	211026	1	ROLLER
6	235710	1	ADJUSTING SCREW
7	230903	1	LOCK NUT
8	240701	t	MOUNTING PLATE
9	238438	1	FULCRUM PIN
10	210492	1	COTTER PIN

E-1 BRAKE VALVE

Pc. No. 227259



E-1 BRAKE VALVE

Pc. No. 227259

No.	Pc. No.	Quan.	Description
1	210897	2	CAP SCREW
2	202983	2	LOCK WASHER
	211126		FILTER SCREEN
4	236990	2	TAPPING SCREW
5	230978	1	GROMMET, 2.38" 0.0.
6	235829	1	PISTON RETURN SPRING
	214447	1	GROMMET, 1.00 " 0.D.
8	230878	1	GROMMET, 1.375" O.D.
	236975	t	INLET NUT
10	237008	t	INLET VALVE GUIDE
1.1	236969	1	3CD~
12	275060	1	INLET & EXHAUST VALVE ASSY.
13	226833	1	PISTON & SPRING ASSEMBLY
14	236976	1	PISTON
15	236977	1	GRADUATING SPRING
16	236978	1	GRADUATING SPRING SEAT
17	204235	Į.	WASHER
18	235800	1	SHAKEPROOF WASHER
19	212122	1	CAP SCREW
20	237383	1	ADAPTER PLATE
21	236391	3	MACHINE SCREW
22	236982	ī	8007
23	237548	1	PILINGER

STEERING SYSTEM

For information not listed herein, refer to Maintenance Manual X-5822 for Model PD-4501

Sec. 16 Pages 1 thru 32

Information is applicable as outlined below:

The hydraulic power steering pump as furnished by Marmon-Herrington Company, Inc., is a right-hand rotation. The Model number is VT36-100-40-95-40-10-S3 R.H. with a capacity of four gallons per minute at 1200 RPM and 100 P. S. I.

For all maintenance and specification information for the steering pump, see Section 16 of Maintenance Manual X-6114 for Model PD-4106.

The original fluid filter remains unchanged. A Second fluid filter has been added in the system. An exploded view of this new filter is shown below.

